



Industria y Comercio

SUPERINTENDENCIA

PETITORIO

SUPERINDUSTRIA Y COMERCIO

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Tramite : 011 PCT-PATENT 376 FASE NACI 411 PRESENTAC
Dependencia: 2020 DIVISION DE NUEVAS CREACIONES

FORMULARIO UNICO DE SOLICITUD DE PATENTE
PCT
ENTRADA EN FASE NACIONAL

1 SOLICITUD DE:			
☒ Patente de Invención.		☐ Patente de Modelo de Utilidad.	
☒ Capítulo I.		☐ Capítulo II.	
2 SOLICITANTE (71)	Nombre: GUALA CLOSURES PATENTS B.V. sociedad constituida y existente bajo las leyes de Países Bajos Dirección: Rokin 55, 1012 KK Amsterdam, Países Bajos Domicilio: Ámsterdam, Países Bajos	C.C. C.E.	IDENTIFICACIÓN ☐ NIT ☐ ☐ Otro ☐ Cual _____ Número _____
3 REPRESENTANTE O APODERADO	Nombre: EMILIO FERRERO ✓ Dirección: Carrera 4ª. No. 72-35 Teléfono: 347 36 11 Fax: 211 86 50 E-mail: clientes@camyp.com . Domicilio: Bogotá, Colombia.	C.C. C.E.	IDENTIFICACIÓN ☒ NIT ☐ ☐ Otro ☐ Cual _____ Número 438.019 T.P 31.929
4 INVENTOR (ES) (72)	1. Piero BATTEGAZZORE Via Galileo Galilei 74, 15100 Alessandria Italia		
5 PCT (86) Solicitud Internacional No. <u>PCT/EP2004/006722</u> Fecha: <u>10 de junio de 2004</u> Publicación Internacional No. <u>WO 2005/000701 A1</u> Fecha: <u>06 de enero de 2005</u>			
6 Título (54) <u>DISPOSITIVO DE CIERRE PARA RECIPIENTES DE LÍQUIDOS,</u> <u>PARTICULARMENTE BOTELLAS PARA LICORES</u>			
7 Clasificación Internacional (51) <u>B65D 49/04</u>			
8 Prioridad	(33) País de Origen	(32) Fecha	(31) Número de Solicitud
SI ☒ NO ☐	<u>IT</u>	<u>24 de junio de 2003</u>	<u>MI2003 A 001279</u>
9 Comprobante de pago No.: <u>05 – 94,217</u> Fecha: <u>12 de diciembre de 2005</u>			

22

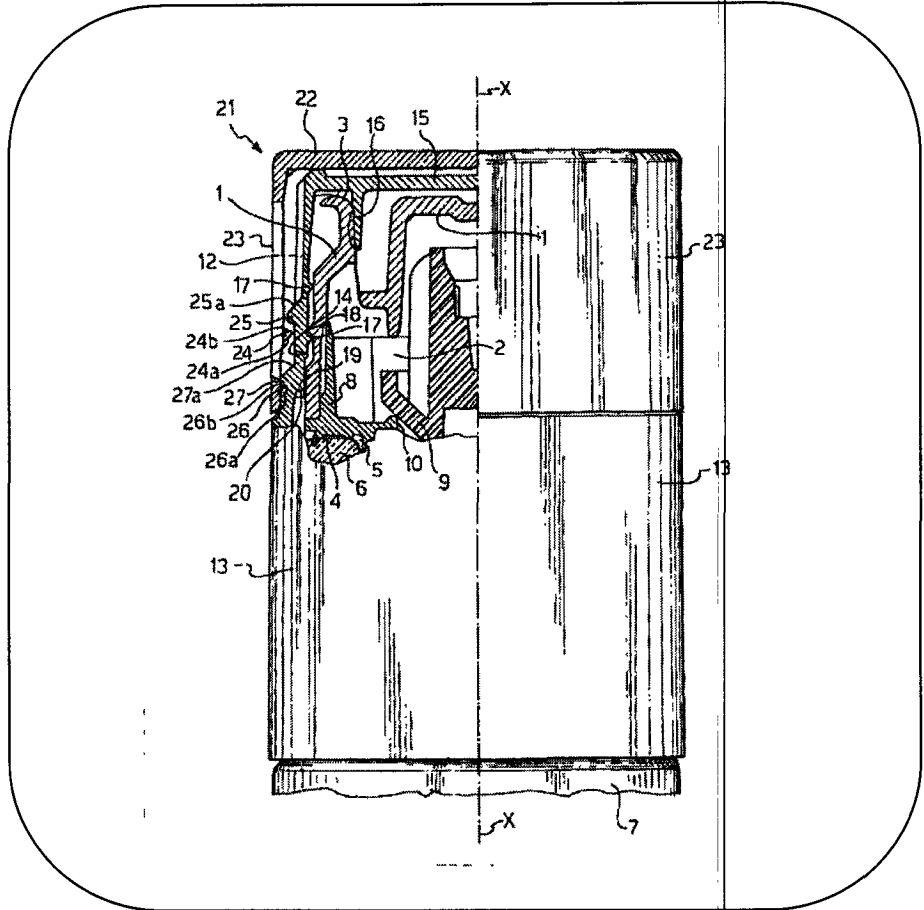
10

Anexos:

- ☒ Comprobante de pago de la tasa de presentación de la solicitud
- ☐ Comprobante de pago por reivindicación de prioridad.
- ☒ Documento que acredita la existencia y representación legal cuando el solicitante sea persona jurídica.
- ☒ Poderes, si fuere el caso.
- ☐ Documento de cesión del inventor al solicitante o a su causante.
- ☐ Declaraciones.
- ☒ Copia de la solicitud internacional. (Resumen, descripción, reivindicaciones, dibujos)
- ☒ Traducción de la solicitud internacional al castellano. (Resumen, descripción, reivindicaciones, dibujos)
- ☐ Copia del examen preliminar efectuado por la IPEA.
- ☐ Traducción del examen preliminar efectuado por la IPEA.
- ☐ De ser el caso, copia del contrato de acceso.
- ☐ De ser el caso, documento que acredite la licencia o autorización de uso de conocimientos tradicionales de las comunidades indígenas.
- ☐ De ser el caso, certificado de depósito del material biológico.
- ☒ Arte final 12x12
- ☐ De ser el caso, información sobre otras solicitudes de patente o títulos obtenidos en el extranjero por el mismo titular o su causante, relacionadas parcial o totalmente con la invención de esta solicitud.
- ☒ Otros: **VER HOJA ANEXA**

11

FIGURA CARACTERÍSTICA



12

Solicito la concesión de la patente,

NOMBRE: EMILIO FERRERO

FIRMA : *Emilio Ferrero*

C.C. 438.019 de Usaquén T.P. 31.929

96/ JGG

DOCUMENTOS ANEXOS

1. ☒ **Publicación Internacional WO 2005/000701 A1**

Descripción:

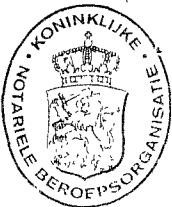
Páginas 11 en el idioma original

Páginas 9 en español

Reivindicaciones: Número (s) 13

Figuras: Número (s) 8

2. ☒ **Forma PCT/RO/101. Solicitud PCT**
3. ☒ **Forma PCT/ISA/210. Informe de Búsqueda Internacional.**
4. ☒ **Forma PCT/ISA/220. Notificación de la transmisión del Informe de Búsqueda Internacional y de la Opinión Escrita de la Administración Encargada de la Búsqueda Internacional.**
5. ☒ **Forma PCT/ISA/237. Opinión Escrita de la Administración Encargada de la Búsqueda Internacional.**
6. ☒ **Forma PCT/IB/306. Notificación de la anotación de un cambio**
Descripción de la modificación:
Nombre y dirección del solicitante de GUALA CLOSURES S.P.A. con domicilio en
Alessandria, Italia a GUALA CLOSURES PATENTS B.V. con domicilio en Ámsterdam,
Países Bajos.
7. ☒ **Extracto para la publicación.**



P A

HJP/LIW/40007554

STATEMENT

The undersigned:

Hendrikus Johannes Portengen, civil law notary, officiating in Rotterdam, the Netherlands,

hereby certifies that:

the signatures appearing on the attached document are the true and genuine signatures of:

- Thecla Magdalena Anna Kamphuijs, born in Hengelo, the Netherlands, on 22 June 1966, holder of a Dutch passport with number NE8778410, issued by the mayor of Rotterdam, the Netherlands, valid until 23 July 2008; and
- George Frederik Nicolai, born in Blaricum, the Netherlands, on 3 March 1953, holder of a Dutch passport with number NG3727936, issued by the mayor of The Hague, the Netherlands, valid until 26 May 2009.

According to the registration with the Trade Register of the Dutch Chamber of Commerce under number 33261451, Ms T.M.A. Kamphuijs and Mr G.F. Nicolai are management board members with the title of Director A of **Guala Closures Patents B.V.**, a Dutch private company with limited liability, having its official seat in Amsterdam, the Netherlands, and its office address in (1012 KK) Amsterdam, the Netherlands, Rokin 55 (the "Company"), and as such, according to the aforementioned registration, fully entitled to represent the Company jointly and to sign the attached document on behalf of the Company.

It should be noted that under Dutch corporate law, there are certain exceptions to the general principle that a person who deals with a company, acting in good faith, may rely on the information on such company that is registered with the trade register, which information is the basis of our statements above. For example, restrictions may apply to the ability of a company to enter into a transaction and the ability of the members of its management board to represent such company if the transaction concerned constitutes ultra vires (*doeloverschrijding*) or financial assistance (*financiële steunverlening*) or in the event one or more of the members of the management board have a conflict of interest (*tegenstrijdig belang*).

DE NOTA, HAGO CONSTAR QUE LA FOTOCOPIA COINCIDE CON EL ORIGINAL QUE LE TENIDO A LA VISTA

09 DIC 2005

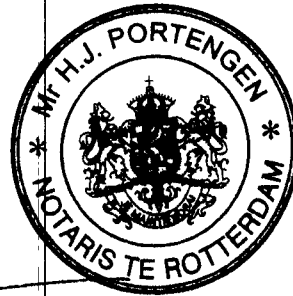
Loyens & Loeff N.V.
Weena 690, Postal Box 2888, 3000 CW Rotterdam, The Netherlands
Telephone: +31 10 224 62 24 Telefax: + 31 10 412 58 39

RODRIGO MEDINA
FOTOCOPIA

This certificate may only be relied upon on the express condition that any issues of interpretation or liability thereunder will be governed by Dutch law and be brought exclusively before a Dutch Court and is subject to the General Terms and Conditions of Loyens & Loeff N.V. (lawyers, tax advisors and civil law notaries)¹ which include a limitation of liability clause.

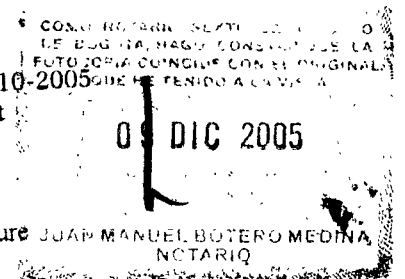
Signed in Rotterdam, the Netherlands, on 17 October 2005.

H.J. Portengen



APOSTILLE

1. (Convention de la Haye du 5 Octobre 1961)
- Country: **NETHERLANDS**
2. This public document has been signed by mr. H.J. Portengen
3. acting in the capacity of notary
4. bears the seal/stamp of mr. H.J. Portengen at Rotterdam
5. certified at Rotterdam
6. the 17-10-2005
7. by the Clerk of the District Court
- (Griffier van de Rechtbank)
8. No. HA RP 05-10450
9. Seal/stamp
10. Signature



¹ These conditions were deposited with the Registry of the Rotterdam District Court on 1 January 2005 under number 142/2004 and can be found at <http://www.loyensloeff.com>

Representación y Poder con autenticación notarial y Apostille para patentes, modelos de utilidad, diseños industriales, marcas de fábrica, nombres comerciales, enseñas, nombres de dominio, lemas comerciales, licencias.

Representation and Power-of- Attorney with notarial authentication and Apostille for patents, utility models, industrial designs, trademarks, commercial names, trade emblems, domain names, slogans, licenses.

REPRESENTACION Y PODER

REPRESENTATION AND POWER- OF- ATTORNEY

Yo (nosotros), abajo firmado (s)/I (we), the undersigned

GUALA CLOSURES PATENTS B.V.

domiciliado (s) en/of Rokin, 55, 1012 KK - Amsterdam,

The Netherlands

por el presente nombramos a EMILIO FERRERO, tpa. 31929; GONZALO PERDOMO, tpa. 831; LUZ CLEMENCIA DE PAEZ, tpa. 23555 y DANIEL PEÑA, tpa. 65620, domiciliados en la Carrera 4ª N° 72-35, Bogotá, Colombia, en obediencia a lo dispuesto en el parágrafo 1o del Artículo 543 del Código de Comercio, el primero como principal y los demás como suplentes, en su orden, como mis (nuestros) representantes en todos los asuntos de propiedad industrial con facultad para recibir notificaciones y nombrar apoderados judiciales o extrajudiciales. El primer representante suplente reemplazará al principal en caso de ausencia o impedimento temporal o definitivo de aquél. La misma regla se aplicará cuando el segundo representante suplente haya de reemplazar al primero, o el tercero al segundo. En tales casos, el representante principal, o el primero, o segundo suplente, en su caso, o ambos, declararán su intención de no ejercer la representación mediante declaración autenticada por Notario Público en Colombia, o por Notario u otro Funcionario Público, o Cónsul de Colombia, en el extranjero; y si se tratare de impedimento, con el certificado respectivo. Si alguno de los nombrados faltare definitivamente, el siguiente tomará su lugar. Cuando cesare la ausencia o impedimento del representante principal, o de su primero o segundo suplentes, en su caso, podrán ejercer la representación, en su orden, uno u otros según el caso, asumiéndola por el solo hecho de ejercerla, cesando en ese momento el ejercicio de la representación por el primero, segundo o tercer suplente en su caso.

in due compliance with the terms of paragraph 1st. of article 543 of the Commercial Code, do hereby appoint EMILIO FERRERO, tpa. 31929; GONZALO PERDOMO, tpa. 831; LUZ CLEMENCIA DE PAEZ, tpa. 23555 and DANIEL PEÑA, tpa. 65620, domiciled at Carrera 4ª N° 72-35, Bogotá, Colombia, the first as principal and the others as alternates, in the order of their appointment, as our representatives for all industrial property matters with faculty to receive notifications and to appoint attorneys in and out of Court. The first alternate shall replace the principal in case of his absence or of temporal or definitive impediment. The same rule will apply when the second alternate representative is to replace the first one, or when the third is to replace the first or second alternates in their turn, or both of them, second. In such cases, the principal representative, or the first or second alternates in their turn, or both of them, shall state their intention not to act as representatives through a declaration given before a Notary Public in Colombia, or before a Notary or another Public Official or a Colombian Consul abroad; and in case of impediment, the appropriate certificate shall suffice. If any of the appointees were to be definitely absent, the following alternate shall take his place. When the absence or impediment of the principal representative, or of the first or second alternate in their turn ceases, the representation can be taken again in their sequence, by the principal, the first or second alternate depending on case, and the mere fact or its exercise will suffice. The exercise of the representation by the first, second or third alternates in their turn shall end at such time.

FOTOCOPIA DE LA ORIGINAL QUE LA
GUALA CLOSURES PATENTS B.V.

09 DIC 2005

MANUEL FOTINO MEDINA
NOTARIO

ro (conferimos) poder a los abogados arriba nombrados, la protección de mi (nuestra) propiedad industrial y contra la competencia desleal, a cuyo efecto autorizo (amos) a los dichos abogados para que me (nos) representen ante cualesquiera entidades o personas, ejerzan o no jurisdicción, especialmente ante las del orden administrativo, contencioso administrativo y judicial, así como los tribunales de arbitramento, en todo lo concerniente a los siguientes asuntos: a) Obtención de patentes de invención, modelos de utilidad, y diseños industriales; el registro de marcas de fábrica, colectivas, defensivas, de servicio, lemas comerciales, nombres comerciales, enseñanzas, nombres de dominio, variedades vegetales y denominaciones de origen; su renovación, traspaso, cambio de nombre o domicilio, cancelación voluntaria; y el registro de licencias de uso de esos derechos; b) Las acciones de competencia desleal, protección del consumidor, oposiciones u observaciones, cancelación administrativa y judicial, nulidad, medidas cautelares, concesión de licencias, la tutela, la protección de secretos industriales, y en general los juicios civiles, penales, administrativos o contencioso administrativos relacionados con estos derechos; acciones y procesos que promovamos o se nos promuevan. Y para que en todos los asuntos arriba determinados, puedan sustituir este mandato, transigir, conciliar, admitir los hechos del proceso, desistir, cancelar, recibir, renunciar, y ratificar los actos de estos oficiosos.

In addition, we grant a Power of Attorney in favor of the above named attorneys at law so that they may obtain the protection of my (our) industrial property and against the unfair competition, for which purpose I (we) authorize the said attorneys to represent me (us) before any authorities or persons, with or without jurisdiction, specially those administrative, administrative contentious and judicial, as well as before Arbitration Court, in all matters concerning the following: a) Obtainment of patents, utility models and industrial designs; the registration of trademarks, collective, defensive and service marks, slogans, commercial names, trade emblems, domain names, vegetal varieties and denominations of origin; its renewal, assignment, change of name or domicile, voluntary cancellation; and the registration of licenses of use of the above rights; b) Actions of unfair competition, protection to the consumer, oppositions or observations, administrative or Court cancellation, nullity, infringement, granting of licenses, the action for writ mandamus, the protection of trade secrets, and in general the civil, penal, and administrative suits relating to those rights; actions and suits instituted by me (us) or against me (us). And that in all the above matters they may substitute this Power of Attorney, compromise, conciliate, admit the facts of the case, desist, cancel, receive, resign, and ratify acts done by representatives without a power of attorney.

Dado y firmado hoy/Given and signed this 14th of October 2005
en/in Amsterdam
por/by T.M.A. Kamphuijs

[Signature]
Firma Signature

Dado y firmado hoy/Given and signed this _____
en/in _____
por/by _____

Firma

COMO NOTARIO SECTO DEL CIRCUITO DE BOGOTÁ, HAGO CONSTAR QUE LA FOTOCOPIA COINCIDE CON EL ORIGINAL QUE HE TENIDO A LA VISTA
09 DIC 2005
JUAN MANUEL BOTERO MEDINA
NOTARIO

88

TRADUCCIÓN OFICIAL No. 24.10/05 preparada por María Elvira Martelo, Traductora Oficial debidamente aprobada por el Ministerio de Justicia de Colombia por Resolución 2879 de 1995 y reconocida por el Ministerio de Relaciones Exteriores.

A continuación se traducen los sellos y legalizaciones de un documento escrito en inglés y español, por el cual **GUALA CLOSURES PATENTS B.V.**, una sociedad domiciliada en Rokin, 55, 1012 KK - Amsterdam, Países Bajos, otorga poder a **EMILIO FERRERO, GONZALO PERDOMO, LUZ CLEMENCIA DE PAEZ Y DANIEL PEÑA**.

Dado y firmado el 14 de octubre de 2005

En Amsterdam

Por: (dos firmas ilegibles)

LOYENS & LOEFF

HJP/LIW/40007554

DECLARACIÓN

El suscrito:

Hendrikus Johannes Portengen, Notario Público de Rotterdam, Países Bajos,

por el presente certifica que:

las firmas que aparecen en el documento anexo son las firmas genuinas de:

- Thecla Magdalena Anna Kamphuijs, nacida en Hengelo, Países Bajos, el 22 de junio de 1966, identificada con pasaporte holandés número NE8778410 expedido por el Alcalde de Rotterdam, Países Bajos, válido hasta el 23 de julio de 2008; y
- George Frederik Nicolai, nacido en Blaricum, Países Bajos, el 3 de marzo de 1953, identificado con pasaporte holandés número NG3727936 expedido por el Alcalde de La Haya, Países Bajos, válido hasta el 26 de mayo de 2009.

De acuerdo con la inscripción en el Registro Comercial de la Cámara de Comercio Holandesa bajo el número 33261451, la Sra. T.M.A. Kamphuijs y el Sr. G.F. Nicolai son miembros de la junta administrativa con el cargo de Director A de **Guala Closures Patents B.V.**, una sociedad privada holandesa de responsabilidad limitada, con sede oficial en Amsterdam, Países Bajos, y dirección comercial en (1012 KK) Amsterdam, Países Bajos, Rokin

99
55 (la "Compañía"), y como tal, de acuerdo con el registro antes mencionado, están plenamente autorizados para representar a la Compañía conjuntamente y para firmar el documento anexo en nombre de la Compañía.

Cabe anotar que bajo la ley holandesa de sociedades, hay ciertas excepciones al principio general de que una persona que haga negocios con una compañía, actuando de buena fe, puede confiar en la información sobre dicha compañía que aparezca en el registro comercial, información que es la base de nuestras anteriores declaraciones. Por ejemplo, aplican restricciones a la capacidad de una compañía para realizar transacciones y a la capacidad de los miembros de la junta administrativa para representar a dicha compañía si la transacción en cuestión constituye ultra vires (*doeloverschrijding*) o asistencia financiera (*financiële steunverlening*) o si uno o más de los miembros de la junta administrativa tienen un conflicto de intereses (*tegenstrijdig belang*).

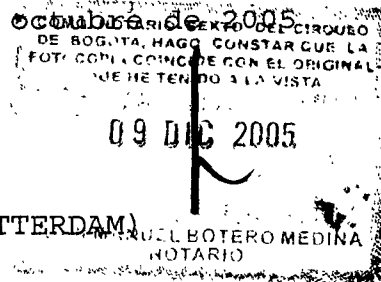
Sólo se puede confiar en este certificado con la condición expresa de que cualquier problema de interpretación o responsabilidad se regirá por las leyes holandesas y será llevado exclusivamente ante una corte holandesa y está sujeto a los Términos y Condiciones Generales de Loyens & Loeff N.V. (abogados, asesores fiscales y notarios públicos)¹ que incluyen una cláusula de limitación de responsabilidad.

Firmado en Rotterdam, Países Bajos, el 17 de octubre de 2005

(Firma ilegible)

H.J. Portengen

(Sello del Sr. H.J. PORTENGEN, NOTARIS TE ROTTERDAM)



APOSTILLA

1. (Convención de La Haya del 5 de octubre de 1961)

País: PAÍSES BAJOS

Este documento público

2. Ha sido firmado por el Sr. H.J. Portengen

3. Actuando en su capacidad de notario

¹ Estas condiciones fueron depositadas ante el Registro de la Corte de Distrito de Rotterdam el 1 de enero de 2005 bajo el número 142/2004 y se pueden encontrar en <http://www.loyensloeff.com>.

- 58/10
4. Lleva el sello/timbre de
Sr. H.J. Portengen de Rotterdam
Certificado
 5. En Rotterdam
 6. El 17-10-2005
 7. Por el Escribano de la Corte de Distrito
(Griffier van de Rechtbank)
 8. No: HA RP 05-10450
 9. Sello/Timbre:
(ilegible)
 10. Firma:
(firma ilegible)

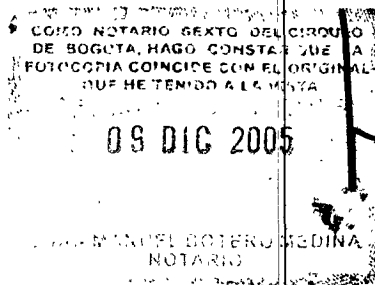
Es traducción fiel y completa de la cual se deja copia en esta
oficina para su confrontación.

COLO 12772-291-001-6

WPC 12772 ID 15

OCT 24/05

Maria E. Martelo
TRADUCCION No: 24/10/05
MARIA ELVIRA MARTELO
Traductora e Interprete Oficial
Inglés - Español - Inglés
Res. No. 2879 Min. Justicia



NO SE ASUME
RESPONSABILIDAD DEL TEXTO

2005 OCT 25 P 1:17

1003
JEFE DE LEGALIZACIONES
SANTAFE DE BOGOTA D.C.

MINISTERIO DE RELACIONES
EXTERIORES

172663
Rang Pelelo
CUYA FIRMA APARECE EN EL
DOCUMENTO DESEMPEÑA
LAS FUNCIONES INDICADAS

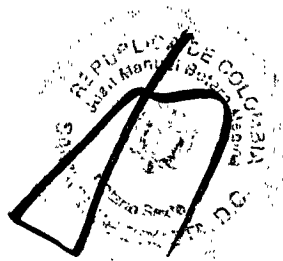
COMO NOTARIO SEXTO DEL CIRCULO DE SANTAFE DE BOGOTA, HAGO CONSTAR QUE LA(S) FIRMA(S) DE

Rang Pelelo

COINCIDE(N) CON LA FIRMA REGISTRADA POR EL (ELLOS) EN ESTA NOTARIA

SANTAFE DE BOGOTA, 25 OCT 2005

BOGOTA D.C. 1003



COMO NOTARIO SEXTO DEL CIRCULO DE SANTAFE DE BOGOTA, HAGO CONSTAR QUE LA(S) FIRMA(S) DE

Rang Pelelo

COINCIDE(N) CON EL ORIGINAL HECHO A LA VISTA

25 OCT 2005

MEDINA

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 January 2005 (06.01.2005)

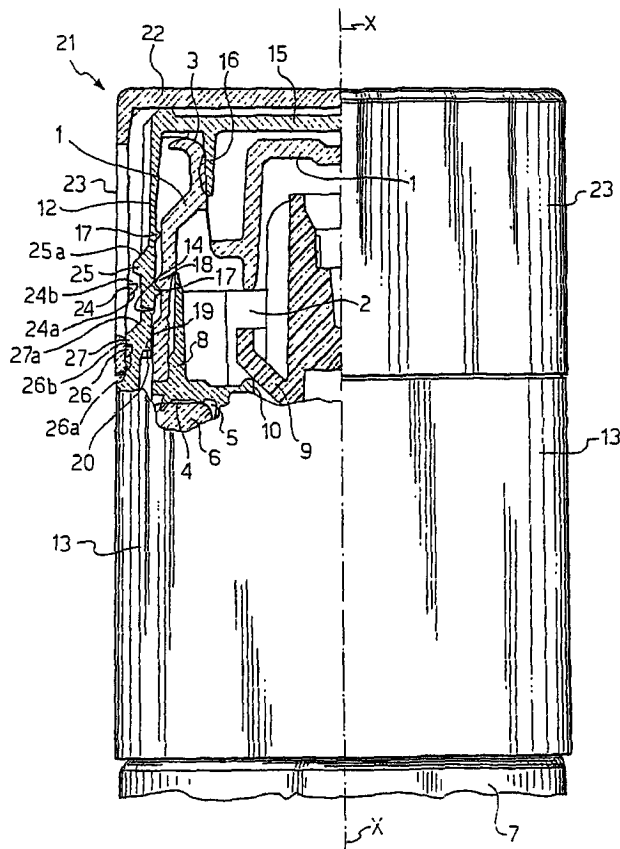
PCT

(10) International Publication Number
WO 2005/000701 A1

- (51) International Patent Classification⁷: **B65D 49/04**, 55/08
- (21) International Application Number: PCT/EP2004/006722
- (22) International Filing Date: 10 June 2004 (10.06.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
MI2003 A 001279 24 June 2003 (24.06.2003) IT
- (71) Applicant (for all designated States except US): **GUALA CLOSURES S.P.A.** [IT/IT]; Via San Giovanni Bosco, 53/55, I-15100 Alessandria (IT).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **BATTEGAZZORE, Piero** [IT/IT]; Via Galileo Galilei, 74, I-15100 Alessandria (IT).
- (74) Agents: **PERANI, Aurelio** et al.; Perani Mezzanotte & Partners, Piazza San Babila, 5, I-20122 Milano (IT).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: CLOSURE DEVICE FOR CONTAINERS OF LIQUIDS, PARTICULARLY BOTTLES FOR LIQUORS



(57) Abstract: Closure device for bottles for liquors, comprising a pouring body (1), a valve member (9) located within the said pouring body (1) to allow the outflow of the liquid and prevent its fraudulent introduction, a tubular element (11) comprising a first stopper-like portion (12) and a second sleeve-like portion (13), the said first stopper-like portion (12) and the said second portion (13) forming a so called tube-stopper element and being interconnected axially by a circumferential weakening line (14), the said first stopper-like portion (12) being engaged with the pouring member (1) by means of threading (17, 18) for opening and closing the said pouring aperture (3). Said tube-stopper element is provided with at least a first annular rib (25) radially projecting from its outer surface and positioned axially above said weakening line (14) and at least a second annular rib (27) also projecting from its outer surface and positioned axially below said weakening line (14), said first and second ribs forming connecting means between said removable seal means and said tube-stopper element. In such a way the seal removable means can be outer stopper or over stopper made either of plastic material or in form of a metallic sheet capsule.

WO 2005/000701 A1

"Closure device for containers of liquids, particularly bottles for liquors"

DESCRIPTION

The present invention relates to a closure for containers
5 of liquids, particularly bottles for liquors, with an
opening located at the end of a neck which extends
axially from the body of the container along a
longitudinal axis (X-X), comprising a pouring body
provided with an internal cavity and a pouring aperture,
10 positioned on the said opening and extending coaxially
with, and outside, the neck, in the opposite direction to
the body of the container, a valve member located between
the said cavity of the said pouring body and movable
axially with respect to an annular stop to allow the
15 outflow of the liquid and prevent its fraudulent
introduction, a tubular element comprising a first
stopper-like portion and a second sleeve-like portion
which extends axially along the outer wall of the neck,
the said first stopper-like portion and the said second
20 sleeve-like portion forming a so called tube-stopper
element and being interconnected axially by a
circumferential weakening line, the said first stopper-
like portion being engaged with the pouring body by means
of threading for the opening and closing of the said
25 pouring aperture, and removable sealing means to allow

the initial opening of the closure.

Closures of the aforementioned type are known in the prior art and are used for closing bottles of valuable liquors, providing them with a seal which guarantees the integrity of the closure by making any previous opening visible and providing evidence as far as possible of any attempt to tamper with the seal.

An example of the aforementioned type of closure is described in GB-A-2,302,867.

10 In this embodiment, the sealing function is provided by a stopper-like element which is placed on top of the stopper portion of the tubular element and which is extended axially by an annular strip connected by means of a circumferential weakened line consisting, for example, of cuts separated by breakable links. The outer stopper is fixed to the underlying stopper portion both axially and rotationally, while the annular strip is connected to the sleeve-like portion of the tubular element by means of corresponding radial teeth, in a position below the weakening line which connects the aforesaid two portions.

According to the prior art, the outer stopper or over stopper may be made of adequate plastic material or, in view of specific needs, may be made in form of a metallic sheet capsule.

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Therefore it is an object of the present invention to devise a tube-stopper element provided with means capable to match with an outer stopper or over stopper made either of plastic material, with or without conventional
5 security breakable strips, or in the form of a metallic sheet capsule, with or without weakening line.

Moreover, due to the fact that the known closures of the type specified above have the drawback that, even after a first fraudulent opening, the seal in the form of an
10 outer stopper, together with the underlying stopper which will now be open, can be repositioned against the annular security strip, thus giving the impression to an unskilled observer that there is structural continuity and consequently integrity between the stopper and the
15 security strip, a further object of the present invention is to devise a closure of the aforementioned type which has sealing characteristics such that the above mentioned drawback can be overcome.

These objects are achieved with the closure device which
20 is characterized according to Claim 1 below.

The invention will now be described more fully with reference to examples of embodiment thereof, provided solely for guidance and without restrictive intent, and illustrated in the attached drawings, in which:

25 - Figure 1 shows a lateral elevation, in partial

section, of a first embodiment of the closure according to the invention fitted on the neck of a bottle;

- Figure 2 shows a perspective view from the outside
5 of the cap-like seal fitted on the closure of Figure 1;
- Figure 3 shows a perspective view from the inside of the cap of Figure 2;
- Figure 4 shows a lateral elevation, in partial
10 section, of a second embodiment of the closure according to the invention fitted on the neck of a bottle;
- Figure 5 shows a perspective view from the outside
15 of the cap-like seal fitted on the closure of Figure 4;
- Figure 6 shows a perspective view from the inside of the cap of Figure 5;
- Figure 7 shows a lateral elevation of the tubular element with a stopper-like portion used in the
20 closures of Figures 1 and 4;
- Figure 8 shows a perspective view of the tubular element of Figure 7.

With reference to the aforesaid figures, and particularly to Figures 1, 2 and 3, it will be seen that the closure
25 comprises a pouring body 1 provided with an inner cavity

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2 and a pouring aperture 3. This pouring body 1 is positioned on the rim 4 of the opening 5 of the neck 6 of a container, particularly a bottle, whose body is indicated schematically at 7. The bottle is intended particularly, but not exclusively, to contain valuable liquors whose originality and genuineness is to be guaranteed by means of the security imparted by the closure according to the invention.

The pouring body 1 is positioned on the rim 4 by means of the interposition of a fixing and sealing collar 8, or directly by other conventional means.

A valve member 9, movable axially in the direction of the axis X-X of the neck of the bottle with respect to an annular stop 10 of the cavity of the pouring body, is located in the cavity 2 of the pouring body 1.

In a conventional way, the valve member 9 allows the outflow of the liquid from the pouring aperture 3 but prevents its fraudulent introduction.

The closure also comprises a tubular element, indicated as a whole by 11, consisting of a first stopper-like portion 12, the outer surface of which is preferably knurled, and a second sleeve-like portion 13. The two portions 12 and 13 are interconnected axially by a weakening line 14 formed in a conventional way by circumferential cuts separated by breakable links, not

shown in the drawings.

The stopper-like portion 12 comprises a wall 15 transverse with respect to the axis X-X, which closes the upper end of the tubular element 11. The said wall 15
5 has a collar 16 which projects towards the cavity 2 of the pouring body 1 and is designed to engage axially with the pouring aperture 3 in order to close it. The said portion 12 is superimposed on the underlying pouring body 1 with which it is engaged by screw means consisting of
10 the threads 17 and 18 which allow the pouring aperture 3 to be opened and closed when the container is in use.

The sleeve-like portion 13 is provided with conventional means, indicated schematically at 19 and 20, for its axial and circumferential engagement with the underlying
15 part of the pouring body in such a way that axial and rotary displacements between these parts are prevented and consequently the unscrewing and re-screwing of the stopper portion 12 is permitted by the breaking of the links of the weakening line 14 when the closure is opened
20 for the first time.

Finally, the closure according to the invention comprises a cap-like seal, indicated as a whole by 21, which is fitted on top of the said stopper-like portion 12.

The cap 21 consists of a top wall 22, transverse with
25 respect to the axis X-X, and an annular strip 23 which

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extends axially over the stopper-like portion 12 to a point beyond the said weakening line 14.

The annular strip 23, as shown in Figures 2, 3, 7 and 8, engages with the tubular element 11 by means of a first
5 set of embossed sectors 24, distributed circumferentially over the inner wall 23a and positioned under a first annular rib 25 of the tubular element 11, and a second set of embossed sectors 26 which are positioned under a second annular rib 27, within the groove 28.

10 The first annular rib 25 is positioned axially above the weakening line 14 whereas the second annular rib 27 is positioned axially below the weakening line 14.

The profile of the cross section of each embossed sector 24 and 26 is essentially triangular with the vertex
15 pointing towards the axis X-X of the neck. The respective lower sides 24a and 26a are inclined, but the respective upper sides 24b and 26b are positioned essentially perpendicularly to the axis X-X of the neck.

With particular reference to Figures 7 and 8, it should
20 be noted that the annular ribs 25 and 27 are provided with planes inclined downwards with respect to the container on their upper faces 25a and 27a to assist the axial movement of the sectors 24 and 26 during the application of the cap 21, but are provided with planes
25 which are practically perpendicular to the axis X-X on

their opposite faces.

This particular configuration, while permitting the application of the cap 21 without causing damage such as fracture or cracking, prevents such action if the cap is
5 forced axially upwards for the purpose of fraudulent removal and illegal access to the underlying stopper 12.

As an alternative, the said upper faces 25a and 27a of the ribs 25 and 27 may also be perpendicular to the axis X-X as theirs opposite faces. In that case, the inclined
10 planes are provided on the sectors 24 and 26 to assist the axial movement during the application of the cap 21.

The configuration of the ribs 25 and 27 with lower planes perpendicular to the axis X-X, against which the corresponding upper sides 24b and 26b of the sectors
15 24 and 26 are positioned, is such that the sectors 24 and 26 can pass over these steps solely and exclusively as a result of a substantial radial deformation of the wall forming the strip 23 of the cap, causing the formation of irreversible bends, cracks and color variations which
20 provide evidence of an attempt to tamper with the cap.

The use of a material such as acrylonitrile butadiene styrene (ABS) for the formation of the cap 21 makes the aforementioned phenomena more evident and this material is therefore preferred.

25 With further reference to Figures 2 and 3, it should be

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noted that the end wall 22 of the capsule 21 is provided with at least one tab or tag 29 formed in the said wall by a circular cut 30 which leaves an intact portion 31 about which the tag can be bent when raised from the
5 plane of the wall.

The circular cut 30 is extended at the sides of the portion 31 with continuations 32 and 33 in line with which the axial weakening lines 34 and 35 respectively are formed on the inner surface 23a. When the cap 21 is
10 fitted on the stopper portion 12, it will be noted that the aforesaid weakening lines preferably extend from the level of the aperture 3 of the pouring body 1 substantially as far as the area where the embossed sectors 26 are formed.

15 For the first authorized opening of the closure, the cap 21 must first be removed by raising the tab 29 and pulling it so that it rotates about the portion 31, continuing by tearing the area "S" of the wall 23 lying between the axial weakening lines 34 and 35.

20 The tearing causes the breakage of the cap 21 which can no longer be reconstituted, even in a fraudulent way.

To enable the cap 21 to be finally removed from the underlying stopper-like portion 12, the said cap is provided with further axial cuts 36 and 37 which extend
25 partially across the strip 23 in the proximity of the

transverse wall 22. The aforesaid cuts 36 and 37 allow the cap to be bent about at least one of the generatrices of the tubular strip 23 and consequently allow the removal and practical destruction of the cap.

5 Although reference is made in the example described above to a pair of axial weakening lines, the cap 21 can alternatively be broken and removed by means of a single weakening line with the tear tab positioned at the side of this weakening.

10 With reference to Figure 4, it will be noted that the second embodiment of the closure according to the invention principally differs from the first, illustrated in Figure 1, in that the tubular strip 23 of the cap 21 is provided with an annular terminal area 38 connected to
15 the tubular strip 23 by a circumferential weakening line 39 consisting of cuts 40 separated by breakable links 41. It should also be noted that the set of embossed sectors 26 is positioned in the terminal area 38 and that the pair of axial weakening lines 34 and 35 stop at the
20 position of the said circumferential weakening line 39. Finally, it will be noted that the tab 29 for tearing the cap is replaced by a corresponding pair of tabs 42 and 43 formed by cutting in the wall 22 of the cap.

With reference to this second embodiment of the closure,
25 the breakage of the cap 21 and its removal from the

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underlying stopper-like portion 12, which take place by
the same procedure as that described with reference to
the first embodiment of Figure 1, causes the terminal
area 38 to be left in place, the presence of this area
5 providing clearer evidence of the fact that the closure
has been opened.

Clearly, the dimensions can be varied according to
requirements without thereby departing from the scope of
the invention as described above and as claimed below.

CLAIMS

- 1) Closure device for containers of liquids, particularly bottles for liquors, having an opening (5) located at the end of a neck (6) extending axially from the body (7) of the container along a longitudinal axis (X-X), comprising a pouring body (1) provided with an inner cavity (2) and a pouring aperture (3), positioned on the said opening (5) and extending coaxially with the neck (6) and outside it in the direction opposite to the body (7) of the container, a valve member (9) located within the said cavity (2) of the said pouring body (1) and movable axially with respect to an annular stop (10) to allow the outflow of the liquid and to prevent its fraudulent introduction, a tubular element (11) comprising a first stopper-like portion (12) and a second sleeve-like portion (13) which extends axially along the outer wall of the neck (6), the said first stopper-like portion (12) and the said second sleeve-like portion (13) forming a so called tube-stopper element and being interconnected axially by a circumferential weakening line (14), the said first stopper-like portion (12) engaging with the pouring member (1) by means of threading (17, 18) for the opening and

closing of the said pouring aperture (3), and removable seal means to allow the first opening of the closure, characterized in that the tube-stopper element is provided with at least a first annular rib (25) radially projecting from its outer surface and positioned axially above said weakening line (14) and at least a second annular rib (27) projecting from its outer surface and positioned axially below said weakening line (14), said first and second ribs forming connecting means between said removable seal means and said tube-stopper element.

- 2) Closure device according to Claim 1 characterized in that the said seal means comprise a cap (21) fitted on top of the said stopper-like portion (12) and extending axially with an annular strip (23) from the top (15) of the said stopper-like portion to a point beyond the said circumferential weakening line (14) connecting the first and second portions of the tubular element (11), the said cap (21) being provided with at least one weakening line (34, 35) which extends axially along its annular strip (23) at least from the level of the said pouring aperture (3) essentially as far as an area below the said circumferential weakening line (14) of the tubular

element (11), at least one tab (29) being provided on the top (22) of the said cap (21) adjacent to the stopper for pulling the area "S" of the said annular strip (23) positioned at the side of the said axial weakening line (34, 35), thus causing the breaking of the cap (21).

3) Closure device according to Claims 1 and 2, characterized in that the said cap (21) comprises a pair of axial weakening lines (34, 35) spaced apart from each other, the area "S" of strip lying between the said lines being removable by tearing.

4) Closure device according to Claims 1 to 3, characterized in that the said weakening lines (34, 35) consist of cuts made on the inner surface (23a) of the said cap (21) without passing through the thickness of the cap.

5) Closure device according to Claims 1 to 4, characterized in that the said cap (21) is provided, on the inner surface (23a) of the portion of annular strip in which the said axial weakening lines are formed, with at least a first set of embossed circumferential sectors (24) for engagement under a corresponding annular rib (25) carried by the outer surface of the said first stopper-like portion (12) of the tubular element (11).

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- 6) Closure device according to Claims 1 to 5, characterized in that the said cap (21) is provided, on the inner surface (23a) of the portion of annular strip in which the said axial weakening lines are formed, with a second set of embossed circumferential sectors (26) for engagement under a corresponding annular rib (27) carried by the sleeve-like portion (13) of the said tubular element (11).
- 7) Closure device according to Claims 1 to 6, characterized in that each embossed circumferential sector of the said first (24) and second (26) sets of sectors has an essentially triangular cross section with the vertex pointing towards the longitudinal axis (X-X) of the neck (6) of the container and with the upper side (24b, 26b), for engagement with the corresponding lower side of the said annular ribs (25, 27) of the tubular element (11), positioned essentially perpendicularly to the said longitudinal axis (X-X).
- 8) Closure device according to Claims 1 to 7, characterized in that the said cap (21) comprises an annular terminal area (38) connected axially to the said annular strip (23) by a circumferential weakening line (39).

- 9) Closure device according to Claim 8, characterized in that the said axial weakening lines (34, 35) stop at the position of the said circumferential weakening line (39).
- 5 10) Closure device according to Claims 1 to 9, characterized in that the said circumferential weakening line (39) consists of a plurality of cuts (40) alternating with breakable links (41) and is positioned between the said first (24) and second
- 10 (26) sets of embossed circumferential sectors.
- 11) Closure device according to Claims 1 to 10, characterized in that the top of the said cap (21) consists of a wall (22), transverse with respect to the longitudinal axis (X-X) of the neck (6), which
- 15 comprises two tabs (42, 43) placed side by side for tearing the area "S" lying between the pairs of axial weakening lines (34, 35).
- 12) Closure device according to Claims 1 to 11, characterized in that the said cap (21) comprises
- 20 axial incisions (36, 37) formed in the proximity of its top wall (22) to allow the tubular strip (23) to be bent along at least one of its axial generatrices passing through at least one of the said incisions (36, 37) and to facilitate the complete removal of
- 25 the cap (21) from the stopper-like portion (12),

following the tearing of the area "S" lying between the axial weakening lines (34, 35).

- 5 13) Closure device according to claim 1, characterized in that said seal removable means are an over stopper in form of a capsule made of metallic sheet connected to said tube-stopper element by a rolling provided under said first annular rib (25) of the tube-stopper element.

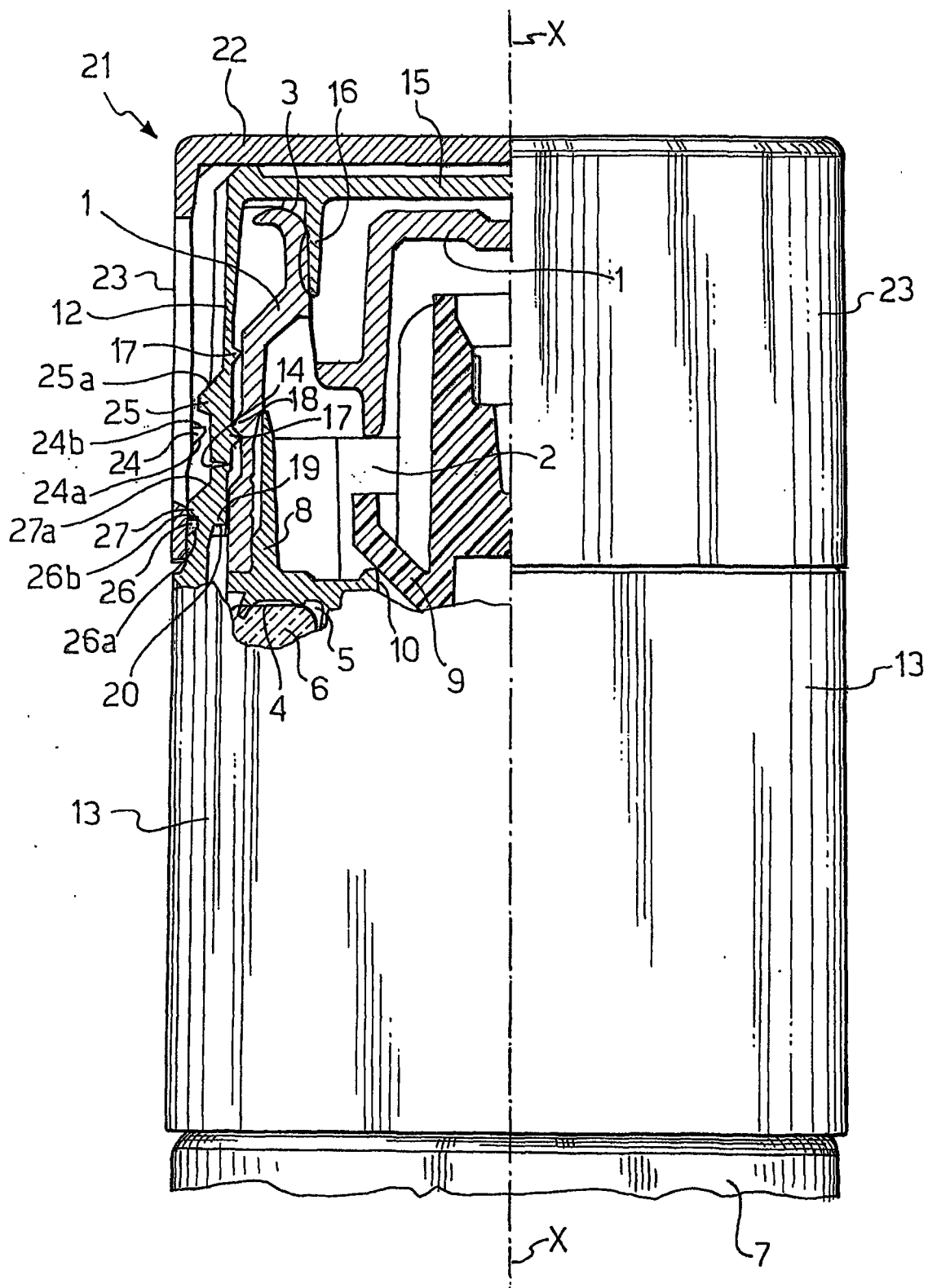


FIG. 1

21
21

2/5

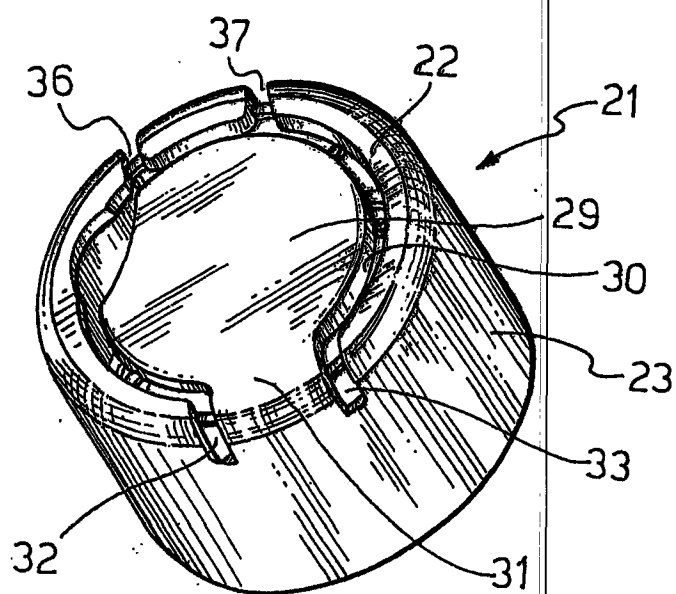


FIG. 2

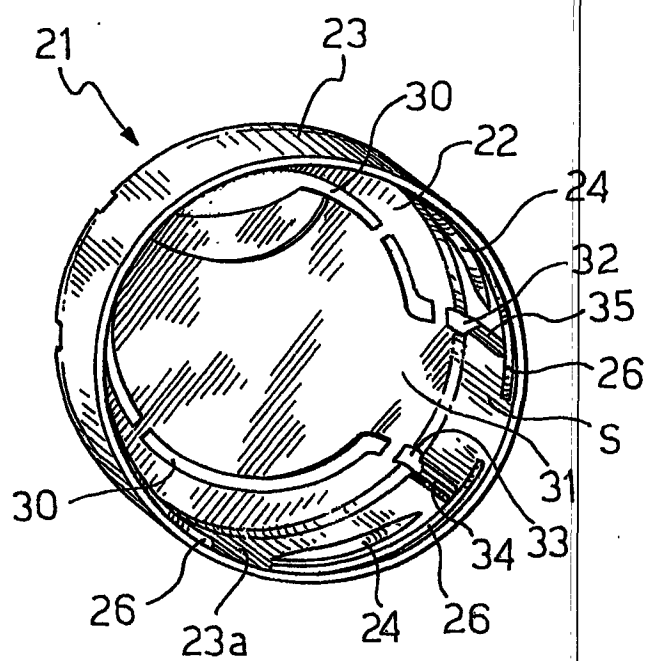


FIG. 3

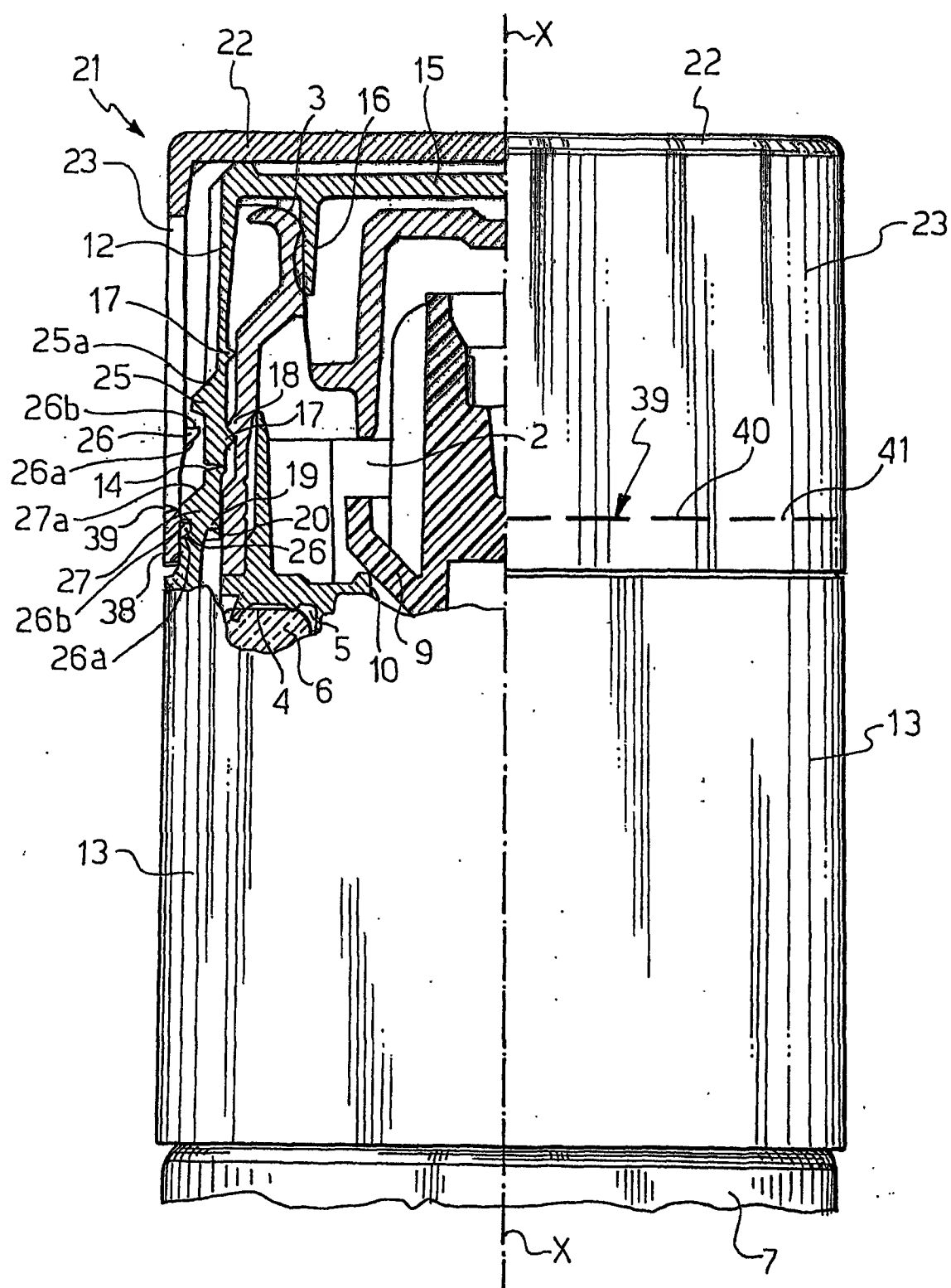


FIG. 4

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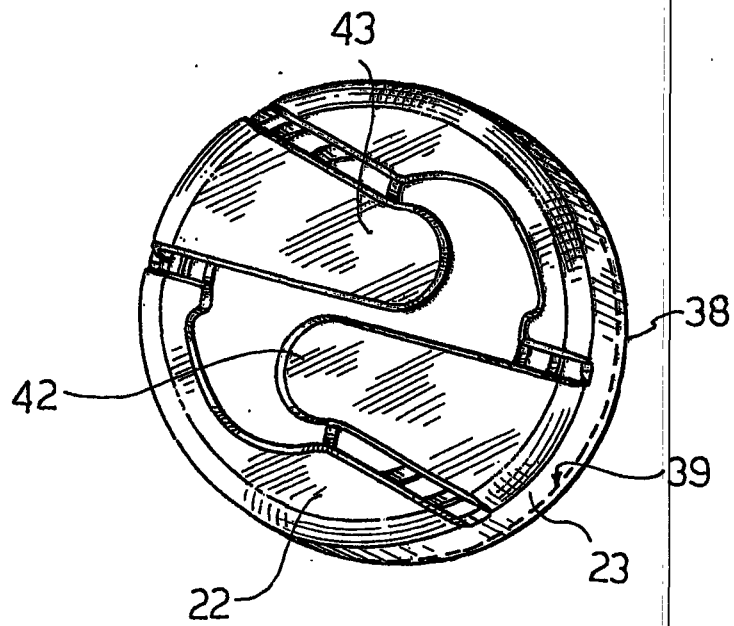


FIG. 5

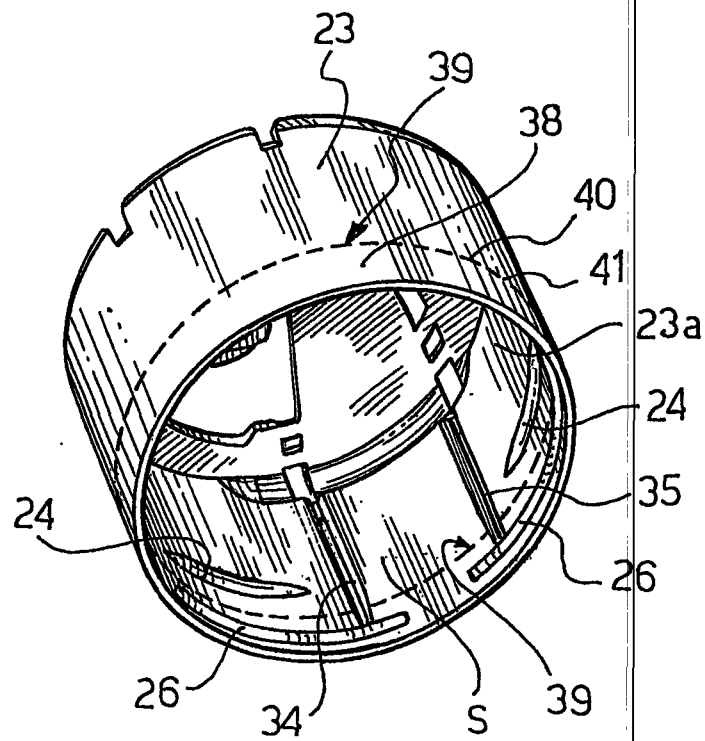


FIG. 6

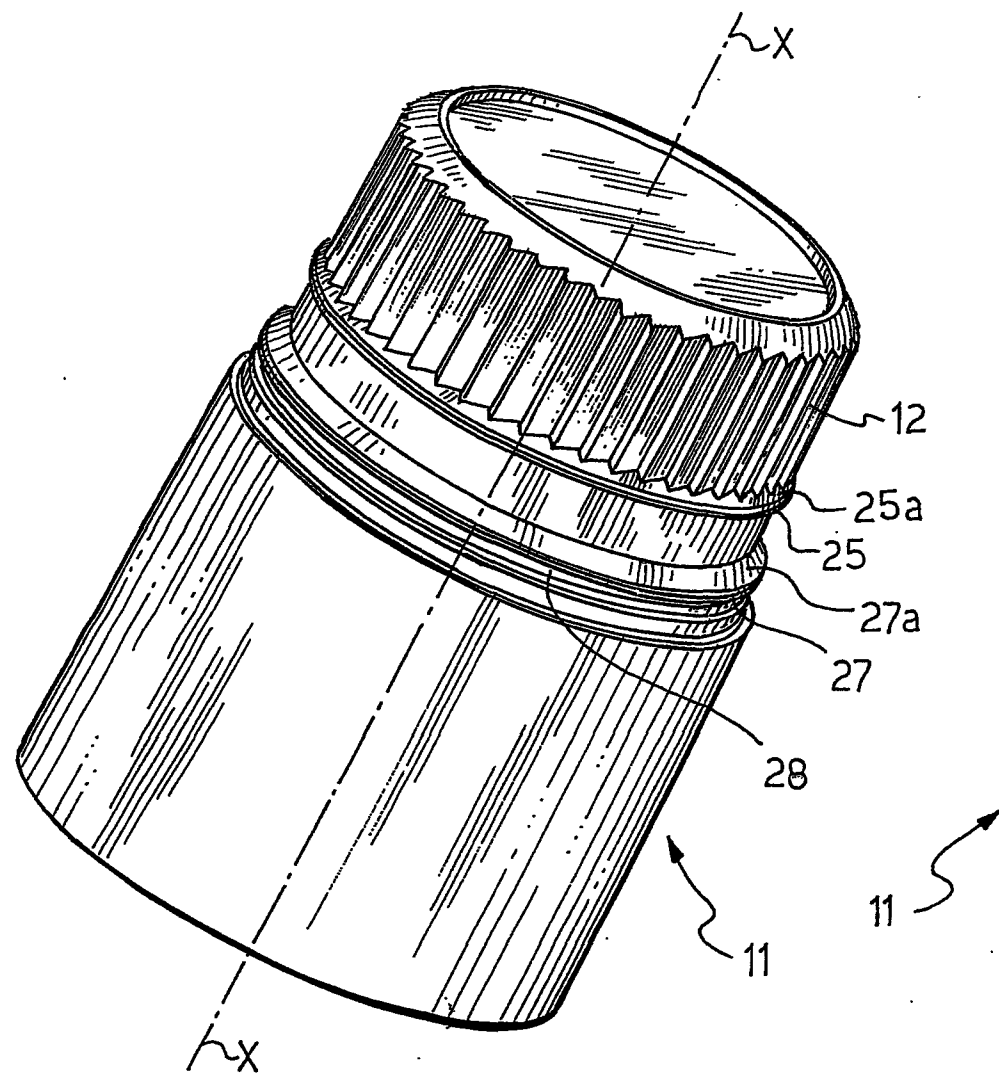


FIG. 8

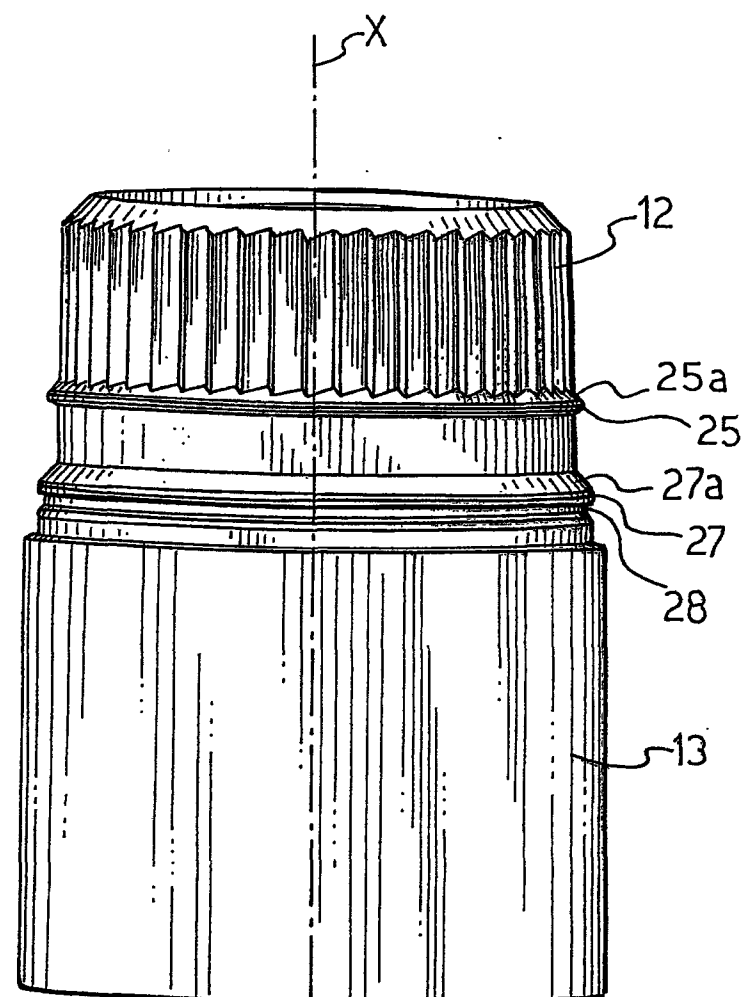


FIG. 7

23
23

DISPOSITIVO DE CIERRE PARA RECIPIENTES DE LÍQUIDOS,
PARTICULARMENTE BOTELLAS PARA LICORES

DESCRIPCIÓN

La presente invención se relaciona con un cierre para recipientes de líquido, particularmente botellas para licores, con una abertura localizada en el extremo de un cuello que se extiende axialmente desde el cuerpo del recipiente a lo largo del eje longitudinal (X-X), que comprende un cuerpo de vertimiento provisto con una cavidad interna y una abertura de vertimiento, ubicado sobre dicha abertura y que se extiende coaxialmente con, y al exterior, del cuello, en la dirección opuesta al cuerpo del recipiente, un miembro de válvulas localizado entre dicha cavidad de dicho cuerpo de vertimiento y axialmente movable con respecto a un tope anular para permitir el flujo exterior del líquido y evitar su introducción fraudulenta, un elemento tubular que comprende una primer porción similar a un tope y una segunda porción similar a un manguito que se extiende axialmente junto con la pared exterior del cuello, la dicha primer porción similar a tope y la dicha segunda porción similar a manguito formando un así llamado elemento de tope de tubo y estando interconectado axialmente por una línea de debilitamiento circunferencial, la dicha primer porción similar a tope se acopla con un cuerpo de vertimiento por medio de enroscamiento para la abertura y cierre de la dicha abertura de vertimiento, y medios sellantes removibles para permitir la abertura inicial del cierre.

Los cierres del tipo anteriormente mencionado son conocidos en la técnica anterior y son utilizados para el cierre de botellas de licores valiosos, suministrándoles un

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sello que garantiza la integridad del cierre al hacer visible cualquier abertura previa y suministrando evidencia en tanto sea posible de cualquier intento de violación del sello.

Un ejemplo de del tipo anteriormente mencionado de cierre el descrito en la GB-A-2, 302,867.

En esta modalidad, la función de sellado se suministra mediante un elemento similar a un tope que está ubicado en la parte superior de la porción de tope del elemento tubular en la cual se extiende axialmente mediante una tira anular conectada por medio de una línea debilitada circunferencial que consiste, por ejemplo, de cortes separados de enlaces rompibles. El tope exterior se fija a la porción de tope subyacente tanto axial como rotacionalmente, aunque la tira anular se conecta a la porción similar a manguito del elemento tubular por medio del diente radial correspondiente, en una posición por debajo de la línea de debilitamiento que conecta las dos porciones anteriormente mencionadas.

De acuerdo con la técnica anterior, el tope exterior o sobre tope puede ser hecho de material plástico adecuado o, en vista de necesidades específicas, se puede hacer en la forma de una cápsula de lámina metálica.

Por lo tanto es un objeto de la presente invención inventar un elemento de tope de tubo suministrado con medios capaces de coincidir con un tope exterior y un sobre tope hecho de material plástico, con o sin tiras rompibles convencionales de seguridad, o en la forma de una cápsula de lámina metálica, con o sin línea de debilitamiento.

Más aún, debido al hecho de que los cierres conocidos del tipo especificado anteriormente tienen el inconveniente de que, aún después de la primer abertura fraudulenta, el sello en la forma de un tope exterior, junto con el tope subyacente que será ahora abierto, se puede reubicar contra la tira de seguridad anular, dando así la impresión a un observador no experto de que existe continuidad estructural y consecuentemente integridad entre el tope y la tira de seguridad, un objeto adicional de la presente invención es inventar un cierre del tipo anteriormente mencionado que tiene características sellantes de tal forma que solucionan los inconvenientes anteriormente mencionados.

Estos objetos se logran con el dispositivo de cierre que se caracteriza de acuerdo con la reivindicación 1 adelante.

La invención será ahora descrita más completamente con referencia a los ejemplos de la modalidad de ésta, suministrados solamente para guía y sin intento restrictivo, y que se ilustran con los dibujos anexos, los cuales:

- La figura 1 muestra una elevación lateral, en sección parcial de una primer modalidad del cierre de acuerdo con la invención ajustada sobre el cuello de una botella;
- La figura 2 muestra una vista en perspectiva del exterior del sello similar a caperuzas ajustadas sobre el cierre de la figura 1;
- La figura 3 muestra una vista en perspectiva del interior de la caperuza de la figura 2;
- La figura 4 muestra una elevación lateral, en sección parcial, de una segunda modalidad del cierre de acuerdo con la invención ajustada sobre el cuello de una botella;

- La figura 5 muestra una vista en perspectiva del exterior del sello similar a caperuza ajustado sobre el cierre de la figura 4;
- La figura 6 muestra una vista en perspectiva del interior de la caperuza de la figura 5;
- La figura 7 muestra una elevación lateral del elemento tubular con una porción similar a tope utilizada en los cierres de las figuras 1 y 4;
- La figura 8 muestra una vista en perspectiva del elemento tubular de la figura 7.

Con referencia a las figuras anteriormente mencionadas, y particularmente a las figuras 1, 2 y 3, se verá que el cierre comprende un cuerpo de vertimiento 1 suministrado por una cavidad interior 2 y una abertura de vertimiento 3. Este cuerpo de vertimiento 1 se ubica sobre el borde 4 de la abertura 5 del cuello 6 de un recipiente, particularmente una botella, cuyo cuerpo se indica esquemáticamente en 7. La botella pretende particularmente, pero no exclusivamente, contener licores valiosos cuya originalidad y genuinidad va a ser garantizada por medio de la seguridad impartida por el cierre de acuerdo con la invención.

El cuerpo de vertimiento 1 se ubica sobre el borde 4 por medio de la interposición de un collar de fijación y sello 8, o directamente sobre otros medios convencionales.

Un miembro de válvula 9, movable axialmente en la dirección del eje X-X del cuello de la botella con respecto a un tope anular 10 de la cavidad del cuerpo de vertimiento, se localiza en la cavidad 2 del cuerpo de vertimiento 1.

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De una manera convencional, un miembro de válvula 9 permite el flujo exterior del líquido desde la abertura de vertimiento 3 pero evita su introducción fraudulenta.

El cierre también comprende un elemento tubular, indicado como un todo por 11, que consiste de una primer porción similar a caperuza 12, la superficie exterior de la cual es preferiblemente moleteada, y una segunda porción similar a manguito 13. Las dos porciones 12 y 13 están interconectadas axialmente por una línea de debilitamiento 14 formada de una manera convencional por cortes circunferenciales separados por enlaces rompibles, no mostrados en los dibujos.

La porción similar a caperuza 12 comprende una pared 15 transversal con respecto al eje X-X, que cierra el extremo superior del elemento tubular 11. La dicha pared 15 tiene un collar 16 que se proyecta hacia la cavidad 2 del cuerpo de vertimiento 1 está diseñada para acoplar axialmente con la abertura de vertimiento 3 con el fin de cerrarla. La dicha porción 12 está superimpuesta sobre el cuerpo de vertimiento subyacente 1 con el cual éste se acopla por medio de tornillos que consisten de las roscas 17 y 18 que permiten a la abertura de vertimiento 3 ser abierta y cerrada cuando el recipiente está en uso.

La porción similar a manguito 13 se suministra con medios convencionales, indicados esquemáticamente en 19 y 20, para su acoplamiento axial y circunferencial con la parte subyacente del cuerpo de vertimiento de tal manera que se evitan los desplazamientos axiales y rotatorios entre estas partes y consecuentemente se permite el desenroscado y reenroscado de la porción de caperuza 12 por la ruptura de los enlaces de la línea de debilitamiento 14 cuando el cierre es abierto la primera vez.

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Finalmente, el cierre de acuerdo con la invención comprende un sello similar a caperuza, indicado como un todo por 21, que está ajustado sobre la parte superior de la dicha porción similar a caperuza 12. La caperuza 21 consiste de una pared superior 22, transversal con respecto al eje X-X y una tira anular 23 que se extiende axialmente sobre la porción similar a caperuza 12 a un punto más allá de la dicha línea de debilitamiento 14.

La tira anular 23, como se muestra en las figuras 2, 3, 7 y 8, se acopla con el elemento tubular 11 por medio de un primer conjunto de sectores realzados 24, distribuidos circunferencialmente sobre la pared interior 23a y ubicados bajo una primer costilla anular 25 del elemento tubular 11, y un segundo conjunto de sectores realzados 26 que están ubicados bajo una segunda costilla anular 27, dentro de un ranura 28.

La primer costilla anular 25 está ubicada axialmente por encima de la línea de debilitamiento 14 mientras que la segunda costilla anular 27 está ubicada axialmente por debajo de la línea de debilitamiento 14.

El perfil de la sección transversal de cada sector realzado 24 y 26 es esencialmente triangular con el vértice apuntado hacia el eje X-X del cuello. Los lados inferiores respectivos 24a y 26a son inclinados, pero los lados superiores respectivos 24b y 26b están ubicados esencialmente de manera perpendicular al eje X-X del cuello.

Con referencia particular a las figuras 7 y 8, se debe notar que las costillas anulares 25 y 27 se suministran con planos inclinados hacia abajo con respecto al recipiente sobre sus caras superiores 25a y 27a para ayudar al movimiento axial

de los sectores 24 y 26 durante la aplicación de la caperuza 21, pero se suministran con planos que son prácticamente perpendiculares al eje X-X sobre sus caras opuestas.

Esta configuración particular, aunque permite la aplicación de la caperuza 21 sin originar daño tal como fractura o ruptura, evita tal acción si la caperuza se forza axialmente hacia arriba con el propósito de remoción fraudulenta o acceso ilegal a la caperuza subyacente 12.

Como alternativa, las dichas caras superiores 25a y 27a de las costillas 25 y 27 también pueden ser perpendiculares al eje X-X como sus caras opuestas. En ese caso, los planos inclinados están provistos sobre los sectores 24 y 26 para ayudar al movimiento axial durante la aplicación de la caperuza 21. La configuración de las costillas 25 y 27 con los planos inferiores perpendiculares al eje X-X, contra el cual se ubican los lados superiores correspondientes 24b y 26b de los sectores 24 y 26, es tal que los sectores 24 y 26 pueden pasar sobre estos pasos solamente y exclusivamente como resultado de una deformación radial sustancial de la pared que forma la tira 23 de la caperuza, originando la formación de dobleces irreversibles, rupturas y variaciones de color que suministran evidencia de un intento de violación con la caperuza.

El uso de un material tal como acrilonitrilo butadieno estireno (ABS) sobre la formación de la caperuza 21 hace el fenómeno anteriormente mencionado más evidente y se prefiere por lo tanto este material.

Con referencia adicional a las figuras 2, 3, se debe notar que la pared de extremo 22 de la cápsula 21 se suministra con al menos una lengüeta o rótulo 29 formado

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en dicha pared por un corte circular 30 que deja una porción intacta 31 cerca de la cual el rótulo se puede doblar cuando se levanta del plano de la pared.

El corte circular 30 se extiende a los lados de la porción 31 con las continuaciones 32 y 33 en línea con la cual se forman las líneas de debilitamiento axial 34 y 35 respectivamente sobre la superficie interior 23a. Cuando la caperuza 21 se ajusta sobre la porción de caperuza 12, se notará que las líneas de debilitamiento anteriormente mencionadas se extienden preferiblemente desde el nivel de la abertura 3 del cuerpo de vertimiento 1 sustancialmente hasta tanto el área donde los sectores realzados 26 se formen.

Para la primera abertura autorizada del cierre, la caperuza 21 se debe remover primero al levantar la lengüeta 29 y empujarla de tal forma que este rota alrededor de la porción 31, continuando al rasgar el área "S" de la pared 23 descansando entre las sillan de debilitamiento axial 34 y 35.

El rasgado origina la ruptura de la caperuza 21 que puede ya no ser reconstituida, aún de una manera fraudulenta.

Para posibilitar que la caperuza 21 sea finalmente removida de la porción similar a caperuza subyacente 12, la dicha caperuza se suministra con cortes axiales adicionales 36 y 37 que se extienden parcialmente a través de la tira 23 en la proximidad de la pared transversal 22. Los cortes anteriormente mencionados 36 y 37 le permiten a la caperuza ser doblada alrededor de al menos una de las generatrices de la tira tubular 23 y consecuentemente permitir la remoción y la destrucción práctica de la caperuza.

Aunque se hace referencia en el ejemplo descrito anteriormente a un par de líneas de debilitamiento axial, la caperuza 21 puede ser rota y removida alternativamente por medio de una línea de debilitamiento simple con una lengüeta de rasgado ubicada al lado de este debilitamiento.

Con referencia a la figura 4, se notará que en la segunda modalidad del cierre de acuerdo con la invención difiere principalmente de la primera, ilustrada en la figura 1, por que la tira tubular 23 de la caperuza 21 se suministra con área terminal anular 38 conectada a la tira tubular 23 por medio de una línea de debilitamiento circunferencial 39 que consiste de cortes 40 separados por enlaces rompibles 41. También se debe notar que el conjunto de sectores realzados 26 está ubicado en el área terminal 38 y que el par de líneas de debilitamiento axial 34 y 35 paran en la posición de dicha línea de debilitamiento circunferencial 39. Finalmente, se notará que la lengüeta 29 para rasgar la caperuza se reemplaza por un par correspondiente de lengüetas 42 y 43 formadas por un corte en la pared 22 de la caperuza.

Con referencia a esta segunda modalidad del cierre, la ruptura de la caperuza 21 y su remoción de la porción similar a caperuza subyacente 12, que tiene lugar mediante el mismo procedimiento que se describió con referencia a la primer modalidad de la figura 1, origina que el área terminal 38 sea dejada en su lugar, en la presencia de esta área suministrando evidencia más clara del hecho de que el cierre ha sido abierto.

Claramente, las dimensiones pueden variar de acuerdo con los requisitos sin apartarse por esto del alcance de la invención como se describió anteriormente y las reivindicaciones de adelante.

REIVINDICACIONES

- 1) Un dispositivo de cierre para recipientes de líquidos, particularmente botellas para licores, que tienen una abertura (5) localizada en el extremo del cuello (6) que se extiende axialmente desde el cuerpo (7) del recipiente a lo largo del eje longitudinal (X-X), que comprende un cuerpo de vertimiento (1) suministrado con una cavidad interior (2) y una abertura de vertimiento (3), ubicadas sobre las dichas aberturas (5) y que se extiende coaxialmente con el cuello (6) y por fuera de éste de la dirección opuesta al cuerpo (7) del recipiente, un miembro de válvula (9) localizado dentro de la cavidad (2) del dicho cuerpo de vertimiento (1) y movable axialmente con respecto al tope anular (10) para permitir el flujo exterior de líquidos y para evitar su introducción fraudulenta, un elemento tubular (11) que comprende una primer porción similar a caperuza (12) y una segunda porción similar a manguito (13) que se extiende axialmente a lo largo de la pared exterior del cuello (6), la dicha primer porción similar a caperuza (12) y la dicha segunda porción similar a manguito (13) formando un así llamado elemento de caperuza tubo y estando interconectada axialmente por medio de una línea de debilitamiento circunferencial (14), la dicha primer porción similar a caperuza (12) se acopla con el miembro de vertimiento (1) por medio de la rosca (17, 18) para la abertura y cierre de la dicha abertura de vertimiento (3), y medios de sello removibles para permitir la primer abertura del cierre, caracterizado por que el elemento de tubo-caperuza se suministra con al menos una primer costilla anular (25) que se presenta radialmente desde su superficie exterior y que se ubica axialmente por encima de dicha línea de debilitamiento (14) y al menos una segunda costilla anular (27) que se proyecta desde su superficie exterior y se ubica axialmente por debajo de

dicha línea de debilitamiento (14), la primera y segunda costilla formando medios de conexión entre dichos medios de sellos removibles y dicho elemento de tubo-caperuza.

- 2) Dispositivo de cierre de acuerdo con la reivindicación 1 caracterizado por que los medios de sello comprenden una caperuza (21) ajustada sobre la parte superior de la dicha porción similar a caperuza (12) y que se extiende axialmente con una tira anular (23) desde la parte superior (15) de la dicha porción similar a caperuza a un punto más allá de dicha línea de debilitamiento circunferencial (14) que conecta la primera y segunda porción del elemento tubular (11), la dicha caperuza (21) está provista con al menos una línea de debilitamiento (34, 35) que se extiende axialmente a lo largo de su tira anular (23) al menos desde el nivel de dicha abertura de vertimiento (3) esencialmente hasta tanto el área por debajo de dicha línea de debilitamiento circunferencial (14) del elemento tubular (11), al menos siendo suministrada una lengüeta (29) sobre la parte superior (22) de la dicha caperuza (21) adyacente a la caperuza para empujar el área "S" de la dicha tira anular (23) ubicada al lado de dicha línea de debilitamiento axial (34, 35), originando así el rompimiento de la caperuza (21).
- 3) Dispositivo de cierre de acuerdo con la reivindicación 1 y 2, caracterizado por que la dicha caperuza (21) comprende un par de líneas de debilitamiento axial (34, 35) separadas una de la otra, el área "S" de la tira descansando entre las dichas líneas que son removibles mediante rasgado.

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- 4) Dispositivo de cierre de acuerdo con las reivindicaciones 1 a 3, caracterizado por que las dichas líneas de debilitamiento (34, 35) consisten de cortes hechos sobre la superficie interior (23a) de la dicha caperuza 21 sin pasar a través del grosor de la caperuza.
- 5) Dispositivo de cierre de acuerdo con las reivindicaciones 1 a 4, caracterizado por que la dicha caperuza (21) se suministra sobre la superficie interior (23a) de la porción de la tira anular sobre las cuales se forman las dichas líneas de debilitamiento axial, con al menos un primer conjunto de sectores circunferenciales realizados (24) para acoplar bajo la costilla anular correspondiente (25) llevada por la superficie exterior de la dicha primer porción similar a caperuza (12) del elemento tubular (11).
- 6) Dispositivo de cierre de acuerdo con las reivindicaciones 1 a 5, caracterizado por que la dicha caperuza (21) se suministra sobre la superficie interior (23a) de la porción de la tira anular en la cual se forman las dichas líneas de debilitamiento axial, con un segundo conjunto de sectores circunferenciales realizados (26) para acoplamiento bajo una costilla anular correspondiente (27) llevada por la porción similar a manguito (13) del dicho elemento tubular (11).
- 7) Dispositivo de cierre de acuerdo con las reivindicaciones 1 a 6, caracterizado por que los dichos sectores circunferenciales realizados de los dichos primeros (24) y segundos (26) conjuntos de sectores tienen una sección transversal esencialmente triangular con un vértice que apunta hacia el eje longitudinal (X-X) del cuello (6) del recipiente y con el lado superior (24, 26b), para acoplamiento con el lado inferior correspondiente

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de las dichas costillas anulares (25, 27) del elemento tubular (11), ubicada esencialmente de manera perpendicular a dicho eje longitudinal (X-X).

- 8) Dispositivo de cierre de acuerdo con las reivindicaciones 1 a 7, caracterizado por que la dicha caperuza (21) comprende un área terminal anular (38) conectada axialmente a dicha tira anular (23) por medio de una línea de debilitamiento circunferencial (39).
- 9) Dispositivo de cierre de acuerdo con la reivindicación 8, caracterizado por que las dichas líneas de debilitamiento axial (34, 35) paran en la posición de la dicha línea de debilitamiento circunferencial (39).
- 10) Dispositivo de cierre de acuerdo con las reivindicaciones 1 a 9, caracterizados por que la dicha línea de debilitamiento circunferencial (39) consiste de una pluralidad de cortes (40) que alternan con líneas rompibles (41) y se ubican entre los dichos primeros (24) y segundos (26) conjuntos de sectores circunferenciales realizados.
- 11) Dispositivo de cierre de acuerdo con las reivindicaciones 1 a 10, caracterizado por que la parte superior de la dicha caperuza (21) consiste de una pared (22) transversal con respecto al eje longitudinal (X-X) del cuello (6), que comprende dos lengüetas (42, 43) ubicadas lado a lado para el rasgado del área "S" que descansa entre los pares de líneas de debilitamiento axial (34, 35).
- 12) Dispositivo de cierre de acuerdo con las reivindicaciones 1 a 11, caracterizado por que la dicha caperuza (21) comprende incisiones axiales

(36, 37) formados en la proximidad de su pared superior (22) para permitirle a la tira tubular (33) ser doblada a lo largo de al menos una de sus generatrices axiales que pasan a través de al menos una de las dichas incisiones (36, 37) para facilitar la remoción completa de la caperuza (21) de la porción similar a caperuza (12), luego del rasgado del área "S" que descansa entre las líneas de debilitamiento axial (34, 35).

- 13) Dispositivo de cierre de acuerdo con la reivindicación 1, caracterizado por que dichos medios removibles de sello son una sobre caperuza en la forma de una cápsula hecha de una lámina metálica conectada a dicho elemento de tubo-caperuza mediante un enrollamiento suministrado bajo dicha primer costilla anular (25) del elemento de tubo-caperuza.

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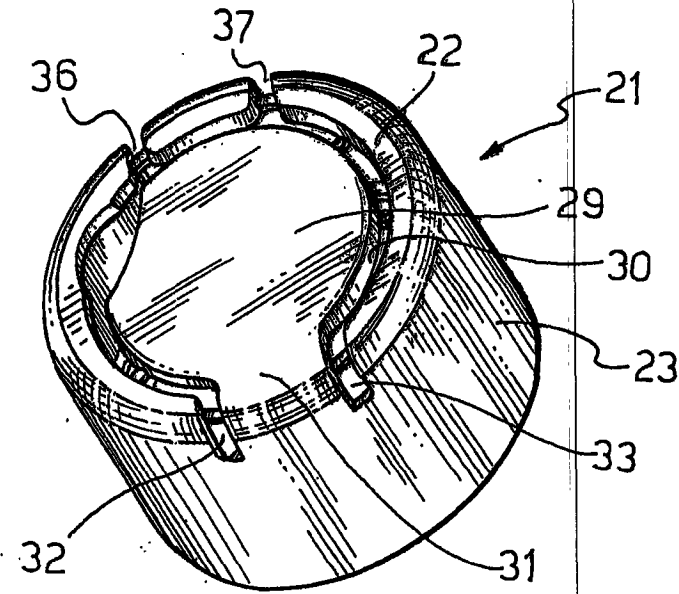


FIG. 2

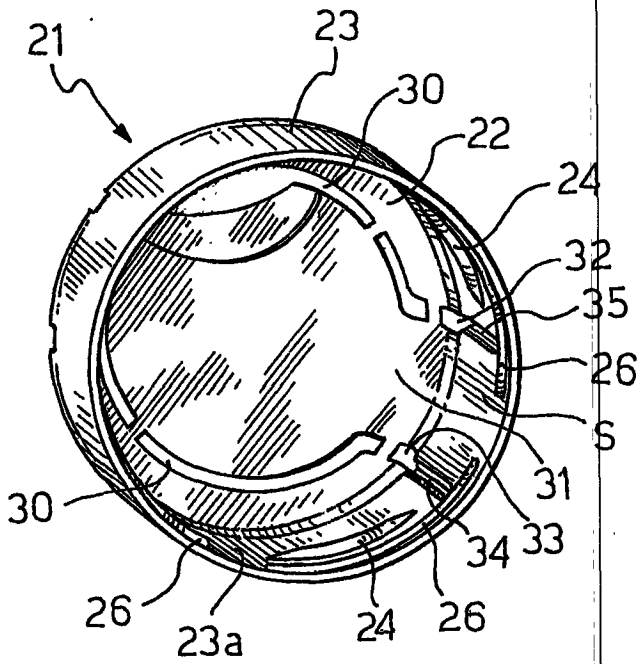
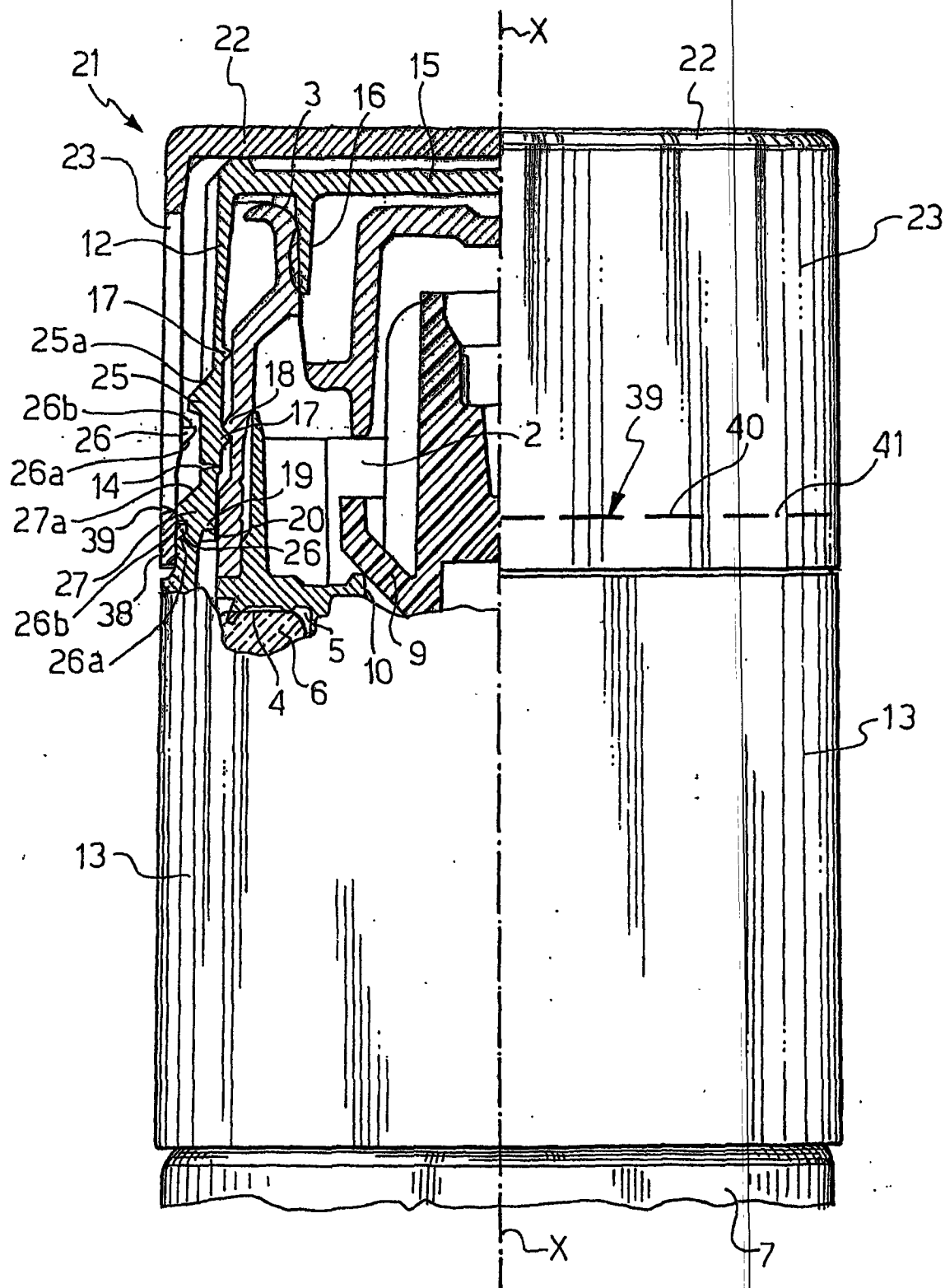


FIG. 3

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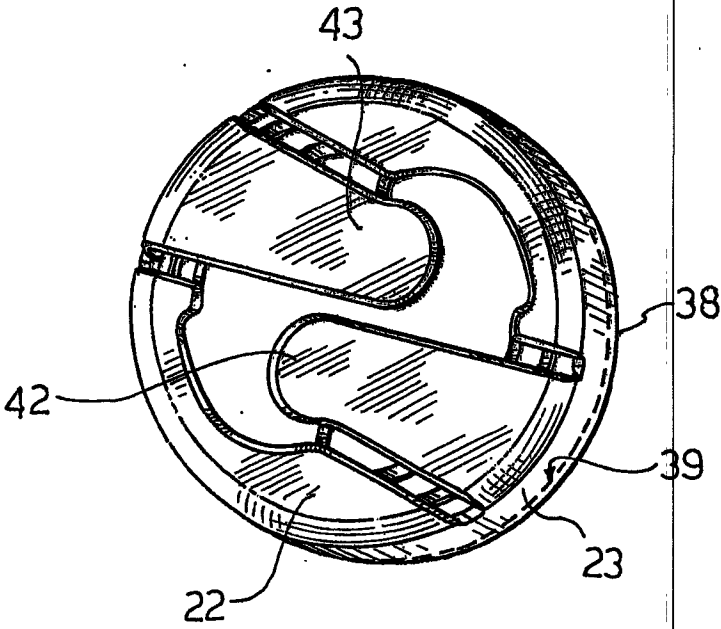


FIG. 5

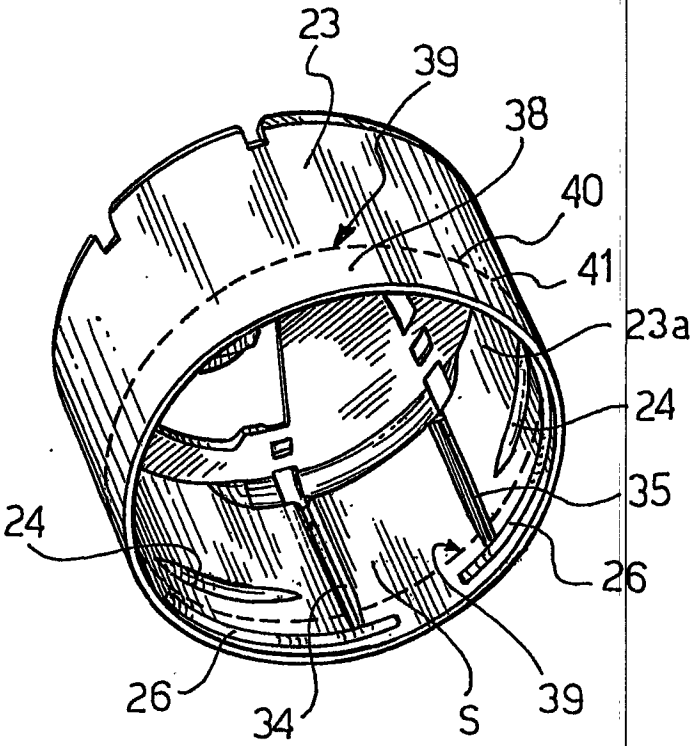


FIG. 6

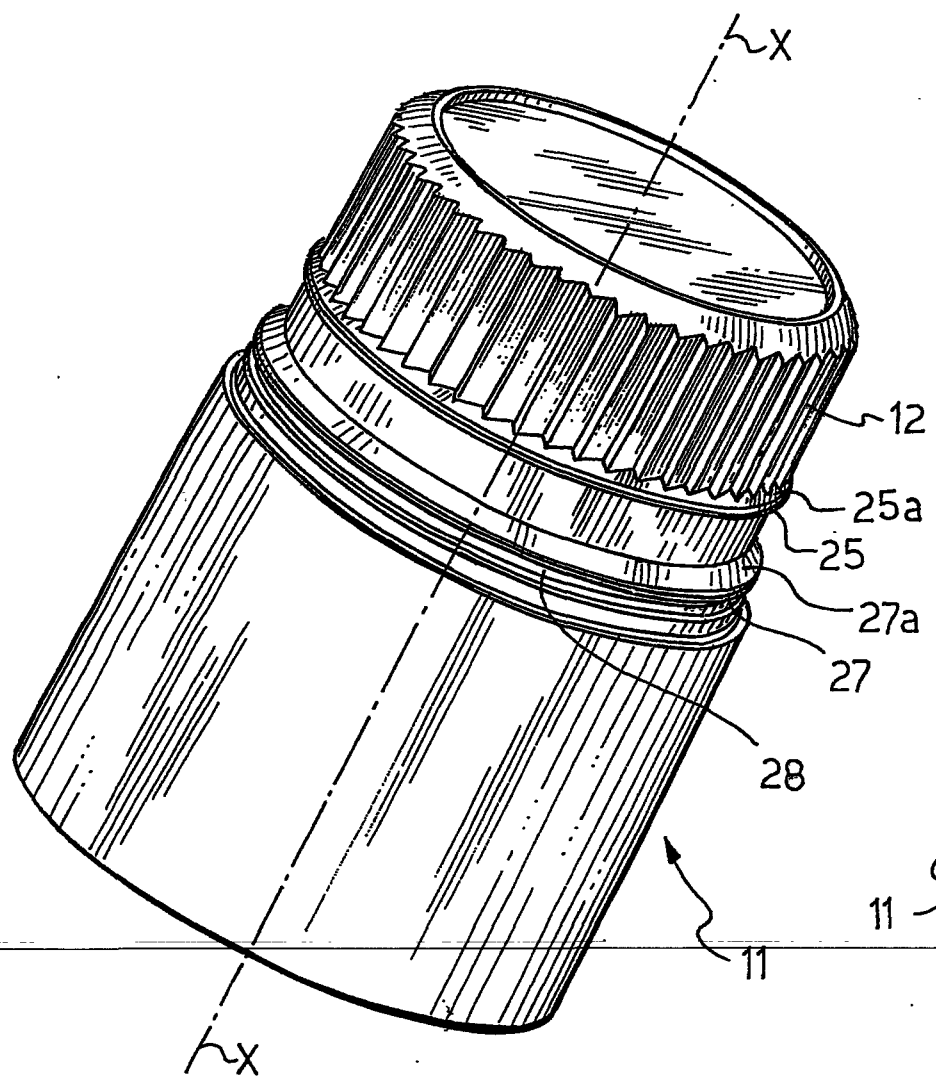


FIG. 8

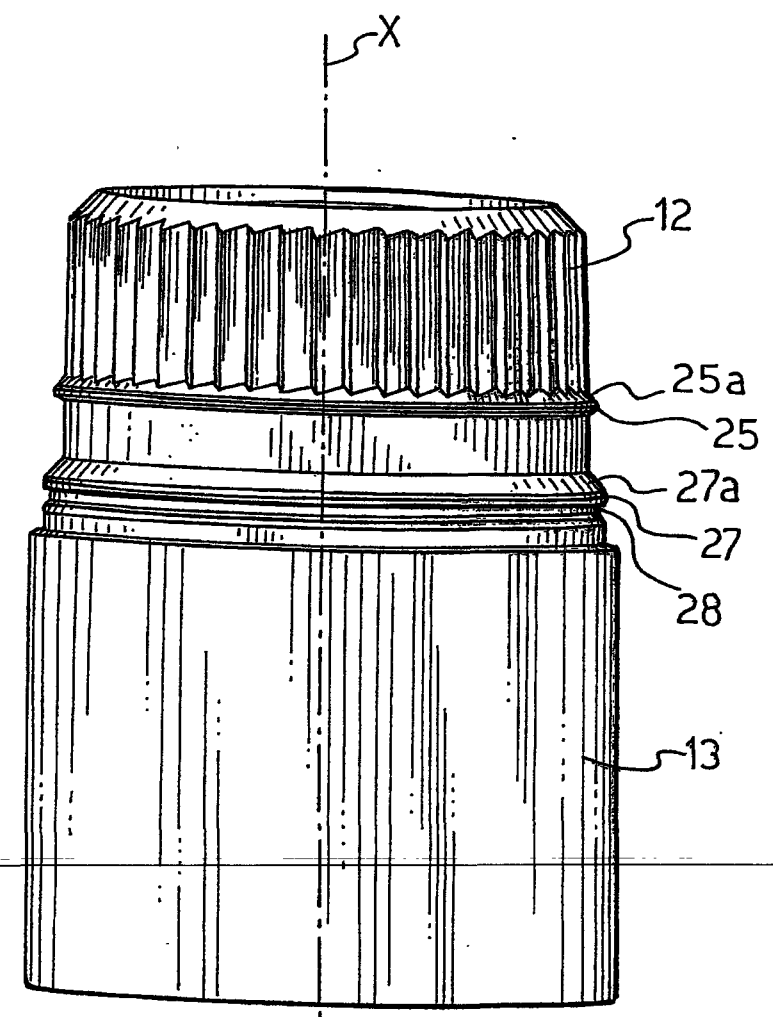


FIG. 7

Handwritten signature or mark.

PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING OF A CHANGE

(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

PERANI, Aurelio
Perani Mezzanotte & Partners
Piazza San Babila, 5
I-20122 Milano
Italy

Date of mailing (day/month/year)

02 December 2005 (02.12.2005)

Applicant's or agent's file reference

X001504 APE/ma 11800

International application No.

PCT/EP2004/006722

International filing date (day/month/year)

10 June 2004 (10.06.2004)

IMPORTANT NOTIFICATION

1. The following indications appeared on record concerning:

☒ the applicant ☐ the inventor ☐ the agent ☐ the common representative

Name and Address

GUALA CLOSURES S.P.A.
Via San Giovanni Bosco, 53/55
I-15100 Alessandria
Italy

State of Nationality

IT

State of Residence

IT

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person ☐ the name ☐ the address ☐ the nationality ☐ the residence

Name and Address

GUALA CLOSURES PATENTS B.V.
Rokin 55
NL-1012 KK Amsterdam
Netherlands

State of Nationality

State of Residence

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

The applicant in Box 1 has transferred his rights to the person in Box 2 who is now sole applicant only for all designated States except US. Please also note the applicant's new reference number.

4. A copy of this notification has been sent to:

☒ the receiving Office ☒ the designated Offices concerned
☐ the International Searching Authority ☐ the elected Offices concerned
☐ the International Preliminary Examining Authority ☐ other:

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Antonia MULLER (Fax : 338 89 75)

Facsimile No. (41-22) 338.89.75

Telephone No. (41-22) 338 8243

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference
(if desired) (12 characters maximum) P02147/PCT

Box No. I TITLE OF INVENTION	
"Closure device for containers of liquids, particularly bottles for liquors"	
Box No. II APPLICANT ☐ This person is also inventor	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	
GUALA CLOSURES S.p.A. Via San Giovanni Bosco, 53/55 I-15100 ALESSANDRIA Italy	
State (that is, country) of nationality: IT	State (that is, country) of residence: IT
This person is applicant for the purposes of: ☐ all designated States ☒ all designated States except the United States of America ☐ the United States of America only ☐ the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)	
BATTEGAZZORE, Piero Via Galileo Galilei, 74 I-15100 ALESSANDRIA Italy	
State (that is, country) of nationality: IT	State (that is, country) of residence: IT
This person is applicant for the purposes of: ☐ all designated States ☐ all designated States except the United States of America ☒ the United States of America only ☐ the States indicated in the Supplemental Box	
☐ Further applicants and/or (further) inventors are indicated on a continuation sheet.	
Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE	
The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: ☒ agent ☐ common representative	
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)	
PERANI Aurelio; FALCETTI Carlo; SIMINO Massimo; CATTANEO Elisabetta c/o Perani Mezzanotte & Partners Piazza San Babila, 5 20122 MILANO MI Italy	
Telephone No. +39 (02) 76316161	
Facsimile No. +39 (02) 76317619	
Teleprinter No.	
Agent's registration No. with the Office	
☐ Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.	

Box No. V

DESIGNATIONS

The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents.

However,

☐

DE Germany is not designated for any kind of national protection

☐

KR Republic of Korea is not designated for any kind of national protection

☐

RU Russian Federation is not designated for any kind of national protection

(The check-boxes above may be used to exclude (irrevocably) the designations concerned in order to avoid the ceasing of the effect, under the national law, of an earlier national application from which priority is claimed. See the Notes to Box No. V as to the consequences of such national law provisions in these and certain other States.)

Box No. VI

PRIORITY CLAIM

The priority of the following earlier application(s) is hereby claimed:

Filing date of earlier application (day/month/year)	Number of earlier application	Where earlier application is:		
		national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) 24 June 2003 (24.06.03)	MI2003A001279	IT		
item (2)				
item (3)				

☐

Further priority claims are indicated in the Supplemental Box.

The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of this international application is the receiving Office) identified above as:

☐

all items

☐

item (1)

☐

item (2)

☐

item (3)

☐

other, see Supplemental Box

* Where the earlier application is an ARIPO application, indicate at least one country party to the Paris Convention for the Protection of Industrial Property or one Member of the World Trade Organization for which that earlier application was filed (Rule 4.10(b)(ii)):

Box No. VII

INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA) (if two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used):

ISA / EP

Request to use results of earlier search; reference to that search (if an earlier search has been carried out by or requested from the International Searching Authority):

Date (day/month/year)

Number

Country (or regional Office)

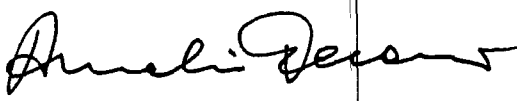
Box No. VIII

DECLARATIONS

The following declarations are contained in Boxes Nos. VIII (i) to (v) (mark the applicable check-boxes below and indicate in the right column the number of each type of declaration):

☐	Box No. VIII (i)	Declaration as to the identity of the inventor	:	Number of declarations
☐	Box No. VIII (ii)	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	:	
☐	Box No. VIII (iii)	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	:	
☐	Box No. VIII (iv)	Declaration of inventorship (only for the purposes of the designation of the United States of America)	:	
☐	Box No. VIII (v)	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	:	

Box No. IX CHECK LIST; LANGUAGE OF FILING		
This international application contains: (a) in paper form, the following number of sheets: request (including declaration sheets) : 3 description (excluding sequence listing and/or tables related thereto) : 11 claims : 6 abstract : 1 drawings : 5 Sub-total number of sheets : 26 sequence listing : tables related thereto : (for both, actual number of sheets if filed in paper form, whether or not also filed in computer readable form; see (c) below) Total number of sheets : 26 (b) ☐ only in computer readable form (Section 801(a)(i)) (i) ☐ sequence listing (ii) ☐ tables related thereto (c) ☐ also in computer readable form (Section 801(a)(ii)) (i) ☐ sequence listing (ii) ☐ tables related thereto Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are contained the ☐ sequence listing: ☐ tables related thereto: (additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item): 1. ☒ fee calculation sheet : 1 2. ☐ original separate power of attorney : 3. ☐ original general power of attorney : 4. ☐ copy of general power of attorney; reference number, if any: : 5. ☐ statement explaining lack of signature : 6. ☒ priority document(s) identified in Box No. VI as item(s): : 7. ☐ translation of international application into (language): : 8. ☐ separate indications concerning deposited microorganism or other biological material : 9. ☐ sequence listing in computer readable form (indicate type and number of carriers) (i) ☐ copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application) : (ii) ☐ (only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter : (iii) ☐ together with relevant statement as to the identity of the copy or copies with the sequence listing mentioned in left column : 10. ☐ tables in computer readable form related to sequence listing (indicate type and number of carriers) (i) ☐ copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international application) : (ii) ☐ (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater) : (iii) ☐ together with relevant statement as to the identity of the copy or copies with the tables mentioned in left column : 11. ☐ other (specify): :	Number of items
Figure of the drawings which should accompany the abstract: 1	Language of filing of the international application: English	

Box No. X SIGNATURE OF APPLICANT, AGENT OR COMMON REPRESENTATIVE
Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).  Aurelio PERANI (Agent)

For receiving Office use only	
1. Date of actual receipt of the purported international application:	2. Drawings: ☐ received: ☐ not received:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	
5. International Searching Authority (if two or more are competent): ISA /	6. ☐ Transmittal of search copy delayed until search fee is paid

For International Bureau use only
Date of receipt of the record copy by the International Bureau:

From the INTERNATIONAL BUREAU

PCT

SECOND AND SUPPLEMENTARY NOTICE
INFORMING THE APPLICANT OF THE
COMMUNICATION OF THE INTERNATIONAL
APPLICATION (TO DESIGNATED OFFICES
WHICH APPLY THE 30 MONTH TIME
LIMIT UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

To:

PERANI, Aurelio
Perani Mezzanotte & Partners
Piazza San Babila, 5
I-20122 Milano
ITALIE

Date of mailing (<i>day/month/year</i>) 27 October 2005 (27.10.2005)			
Applicant's or agent's file reference P02147/PCT		IMPORTANT NOTICE	
International application No. PCT/EP2004/006722	International filing date (<i>day/month/year</i>) 10 June 2004 (10.06.2004)	Priority date (<i>day/month/year</i>) 24 June 2003 (24.06.2003)	
Applicant GUALA CLOSURES S.P.A. et al			

- ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), **does not apply**, please see Form PCT/IB/308(First Notice) issued previously.
- Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, **does apply**, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:
06 January 2005 (06.01.2005)

AU, AZ, BY, CN, CO, DZ, EP, HU, KG, KP, KR, MD, MK, MZ, NA, RU, SY, TM, US

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

- The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, **does apply**, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1 :

AE, AG, AL, AM, AP, AT, BA, BB, BG, BR, BW, BZ, CA, CR, CU, CZ, DE, DK, DM, EA, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, ID, IL, IN, IS, JP, KE, KZ, LC, LK, LR, LS, LT, LV, MA, MG, MN, MW, MX, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, SC, SD, SG, SK, SL, TJ, TN, TR, TT, UA, UZ, VC, VN, YU, ZA, ZW

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

4. TIME LIMITS for entry into the national phase

For the designated or elected Office(s) listed above, the applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be **30 MONTHS** from the priority date.

In practice, **time limits other than the 30-month time limit** will continue to apply, for various periods of time, in respect of certain of the designated or elected Office(s) listed above. For **regular updates on the applicable time limits** (30 or 31 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

It is the applicant's **sole responsibility** to monitor all these time limits.

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Ellen Moyse

PATENT COOPERATION TREATY

WU 2005/000/01
PCT/EP2004/00672

From the INTERNATIONAL BUREAU

PCT

FIRST NOTICE INFORMING THE APPLICANT OF
THE COMMUNICATION OF THE INTERNATIONAL
APPLICATION (TO DESIGNATED OFFICES WHICH
DO NOT APPLY THE 30 MONTH TIME LIMIT
UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

To:

PERANI, Aurelio
Perani Mezzanotte & Partners
Piazza San Babila, 5
I-20122 Milano
ITALIE

31 01 2005
47

Date of mailing (day/month/year) 27 January 2005 (27.01.2005)			
Applicant's or agent's file reference P02147/PCT		IMPORTANT NOTICE	
International application No. PCT/EP2004/006722	International filing date (day/month/year) 10 June 2004 (10.06.2004)	Priority date (day/month/year) 24 June 2003 (24.06.2003)	
Applicant GUALA CLOSURES S.P.A. et al			

- ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), **does apply**, please see Form PCT/IB/308(Second and Supplementary Notice) (to be issued promptly after the expiration of 28 months from the priority date).
- Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:
06 January 2005 (06.01.2005)

CH

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

- The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1 :

LU, SE, TZ, UG, ZM

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

4. TIME LIMITS for entry into the national phase

For the designated Office(s) listed above, and unless a demand for international preliminary examination has been filed before the expiration of **19 months** from the priority date (see Article 39(1)), the applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be **20 MONTHS** from the priority date.

In practice, **time limits other than the 20-month time limit** will continue to apply, for various periods of time, in respect of certain of the designated Offices listed above. For **regular updates on the applicable time limits** (20 or 21 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

It is the applicant's **sole responsibility** to monitor all these time limits.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Ellen Moyse
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PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL SEARCHING AUTHORITY

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL SEARCH REPORT AND
THE WRITTEN OPINION OF THE INTERNATIONAL
SEARCHING AUTHORITY, OR THE DECLARATION

To:

PERANI MEZZANOTTE & PARTNERS
Attn. Perani, Aurelio
Piazza San Babila, 5
I-20122 Milano
ITALY

(PCT Rule 44.1)

Date of mailing (day/month/year)	04/10/2004
Applicant's or agent's file reference P02147/PCT	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/EP2004/006722	International filing date (day/month/year) 10/06/2004
Applicant GUALA CLOSURES S.P.A.	

1. ☒ The applicant is hereby notified that the international search report and the written opinion of the International Searching Authority have been established and are transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. ☐ The applicant is hereby notified that no international search report will be established and that the declaration under Article 17(2)(a) to that effect and the written opinion of the International Searching Authority are transmitted herewith.
3. ☐ **With regard to the protest** against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

- ☐ the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
- ☐ no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. Reminders

Shortly after the expiration of **18 months** from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

The applicant may submit comments on an informal basis on the written opinion of the International Searching Authority to the International Bureau. The International Bureau will send a copy of such comments to all designated Offices unless an international preliminary examination report has been or is to be established. These comments would also be made available to the public but not before the expiration of 30 months from the priority date.

Within **19 months** from the priority date, but only in respect of some designated Offices, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until **30 months** from the priority date (in some Offices even later); otherwise, the applicant must, **within 20 months** from the priority date, perform the prescribed acts for entry into the national phase before those designated Offices.

In respect of other designated Offices, the time limit of **30 months** (or later) will apply even if no demand is filed within 19 months.

See the Annex to Form PCT/IB/301 and, for details about the applicable time limits, Office by Office, see the *PCT Applicant's Guide*, Volume II, National Chapters and the WIPO Internet site.

Name and mailing address of the International Searching Authority

European Patent Office, P.B. 5818 Patentlaan 2
NL-2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

José Mendo Pérez

NOTES TO FORM PCT/ISA/220

48
44

These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28 or, where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

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The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

1. [Where originally there were 48 claims and after amendment of some claims there are 51]:
"Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
2. [Where originally there were 15 claims and after amendment of all claims there are 11]:
"Claims 1 to 15 replaced by amended claims 1 to 11."
3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]:
"Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or
"Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
4. [Where various kinds of amendments are made]:
"Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

It must be in the language in which the international application is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P02147/PCT	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/EP2004/006722	International filing date (day/month/year) 10/06/2004	(Earliest) Priority Date (day/month/year) 24/06/2003
Applicant GUALA CLOSURES S.P.A.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 04 sheets.



It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regards to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1



as suggested by the applicant.



as selected by this Authority, because the applicant failed to suggest a figure.



as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

57
52

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B65D49/04 B65D55/08			
According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols) IPC 7 B65D			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.
A	NL 1 016 994 C (GUALA CLOSURES PATENTS B V) 28 June 2002 (2002-06-28) the whole document		1
A	GB 2 302 867 A (GUALA SPA) 5 February 1997 (1997-02-05) cited in the application figures		1
A	GB 2 249 303 A (GRUPO STEVI SA) 6 May 1992 (1992-05-06) figures		1
A	WO 00/07898 A (BATTEGAZZORE PIERO ; GUALA CLOSURES S P A (IT)) 17 February 2000 (2000-02-17) figures		1
	----- -/--		
☒ Further documents are listed in the continuation of box C. ☒ Patent family members are listed in annex.			
° Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family			
Date of the actual completion of the international search 27 September 2004		Date of mailing of the international search report 04/10/2004	
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Fournier, J	

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/006722

53
52

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No
A	EP 0 985 607 A (GUALA CLOSURES S P A) 15 March 2000 (2000-03-15) figures -----		1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/006722

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
NL 1016994	C	28-06-2002	NL 1016994 C1	28-06-2002
			BR 0106536 A	03-12-2002
			ES 1050819 U1	16-05-2002
GB 2302867	A	05-02-1997	IT MI951448 A1	07-01-1997
			BR 9602992 A	28-04-1998
			CN 1150106 A , B	21-05-1997
			ES 2133063 A1	16-08-1999
			PL 315093 A1	20-01-1997
			RU 2150417 C1	10-06-2000
GB 2249303	A	06-05-1992	BR 9103098 A	28-04-1992
			ES 2048039 A2	01-03-1994
			FR 2666307 A1	06-03-1992
			IT T0910669 A1	04-03-1992
			JP 7002264 A	06-01-1995
			PT 98846 A	29-10-1993
WO 0007898	A	17-02-2000	IT MI981807 A1	31-01-2000
			AT 260824 T	15-03-2004
			AU 5619099 A	28-02-2000
			BR 9912669 A	02-05-2001
			CN 1311744 T	05-09-2001
			DE 69915302 D1	08-04-2004
			WO 0007898 A1	17-02-2000
			EP 1100727 A1	23-05-2001
			RU 2204511 C2	20-05-2003
EP 0985607	A	15-03-2000	EP 0985607 A1	15-03-2000
			AT 232176 T	15-02-2003
			AU 5284699 A	21-02-2000
			CN 1318027 T	17-10-2001
			DE 69905254 D1	13-03-2003
			WO 0006461 A1	10-02-2000
			EP 1102710 A1	30-05-2001
			ES 2188209 T3	16-06-2003
			PL 345694 A1	02-01-2002
			RU 2201385 C2	27-03-2003
			US 6454126 B1	24-09-2002

PATENT COOPERATION TREATY

SPS

From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

To:

see form PCT/ISA/220

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY
(PCT Rule 43bis.1)

Date of mailing
(day/month/year) see form PCT/ISA/210 (second sheet)

Applicant's or agent's file reference
see form PCT/ISA/220

FOR FURTHER ACTION
See paragraph 2 below

International application No. PCT/EP2004/006722	International filing date (day/month/year) 10.06.2004	Priority date (day/month/year) 24.06.2003
--	--	--

International Patent Classification (IPC) or both national classification and IPC
B65D49/04, B65D55/08

Applicant
GUALA CLOSURES S.P.A.

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:



European Patent Office - P.B. 5818 Patentlaan 2
NL-2280 HV Rijswijk - Pays Bas
Tel. +31 70 340 - 2040 Tx: 31 651 epo nl
Fax: +31 70 340 - 3016

Authorized Officer

Fournier, J

Telephone No +31 70 340-1031



WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

International application No. **5/6 5/6**
PCT/EP2004/006722

Box No. I	Basis of the opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: a. type of material: ☐ a sequence listing ☐ table(s) related to the sequence listing b. format of material: ☐ in written format ☐ in computer readable form c. time of filing/furnishing: ☐ contained in the international application as filed. ☐ filed together with the international application in computer readable form. ☐ furnished subsequently to this Authority for the purposes of search.
3.	☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional comments:

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

SA SA
International application No.
PCT/EP2004/006722

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	1-13
	No: Claims	
Inventive step (IS)	Yes: Claims	1-13
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1-13
	No: Claims	

2. Citations and explanations
see separate sheet

5858

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING
AUTHORITY (SEPARATE SHEET)**

International application No.

PCT/EP2004/006722

Re Item V.

- 1 The following documents are referred to in this communication:

D1 : NL 1 016 994 C

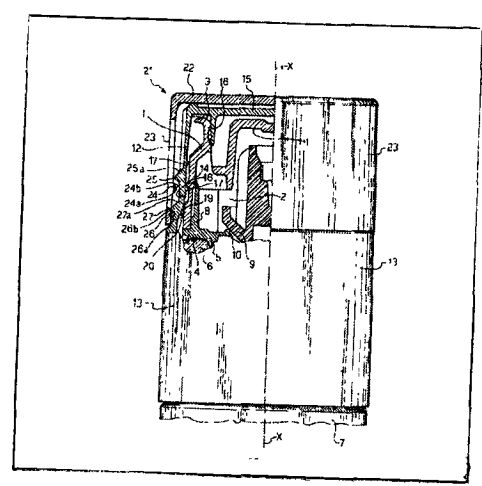
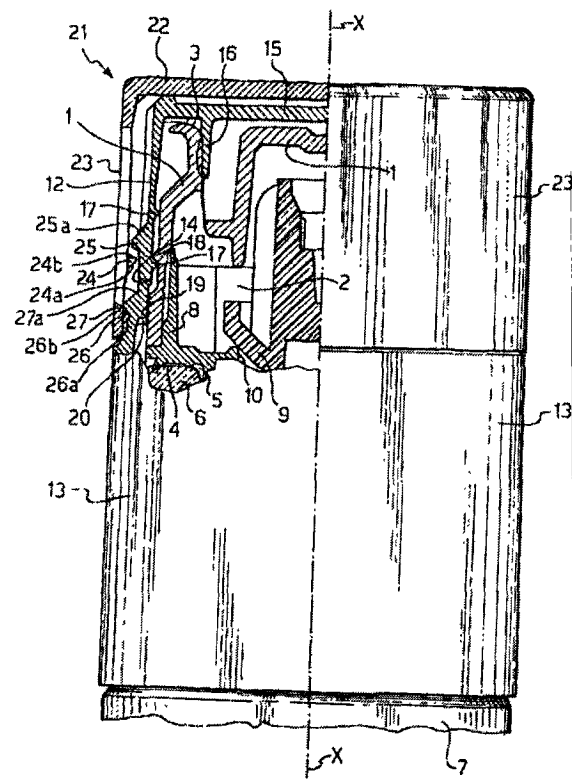
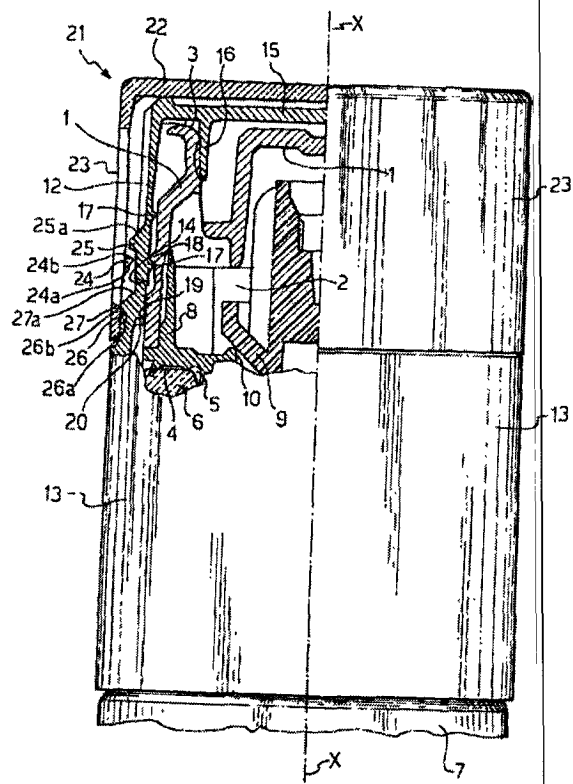
D2 : GB 2 302 867 A

- 2 Document D1, which is considered to represent the most relevant state of the art, discloses a closure according to the preamble of claim 1 which further comprises a tube-stopper element which is provided with an annular rib (34) radially projecting from its outer surface and positioned axially above the weakening line.

From this, the subject-matter of independent claim 1 differs in that the tube-stopper element is provided with a second annular rib projecting from its outer surface and positioned axially below the weakening line, the first and second ribs forming connecting means between the removable seal means and the tube-stopper element.

- 2.1 The subject-matter of claim 1 is therefore novel (Article 33(2) PCT).
The problem to be solved by the present invention may be regarded as providing a tube-stopper element with means capable to match with an outer stopper made either of plastic material, with or without conventional security breakable strips, or in the form of a metallic sheet capsule, with or without weakening line.
- 2.2 Hence, the solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT).
- 2.3 Claims 2-13 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.

89



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SUPERINDUSTRIA Y COMERCIO

Radicacion : 05128637 00000000

Folios: 61

Fecha (AMD): 2005-12-21 17:38:44

Tramite : 011 PCT-PATENT 378 FASE NACI 411 PRESENTAC

Dependencia: 2020 DIVISION DE NUEVAS CREACIONES

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

NIT : 800176089-2

RECIBO OFICIAL DE CAJA : 05 - 94,217
FECHA : DICIEMBRE 12 DE 2005

***** CONSIGNACION *****

DEPOSITANTE	TIPO PAGO	BANCO	CUENTA	No. PAGO	FECHA PGO	Vr. PAGO
CAVELIER ABOGADOS	CONSIGNACION	BANCO POPULAR	050-00110-6	27496715	12/12/2005	36,330,000.00

***** CONCEPTO *****

CANT.	RENTISTICO	CONCEPTO	TOTAL CONCEPTO
1	50005-01-01 SOLICITUDES	1 TRAMITES DE SOL. DE PATENTE DE IN	443,000.00
TOTAL :			\$ 443,000.00

SON: CUATROCIENTOS CUARENTA Y TRES MIL PESOS

RESPONSABLE : _____

RECIBO DE CAJA APLICADO AL EXPEDIENTE No. _____

Colo 12772-841-001-1

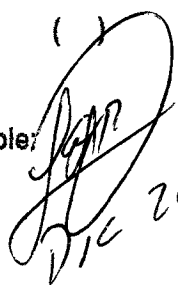
62
61

SUPERINDUSTRIA Y COMERCIO
Radicacon : 05126687 00000000 Folios: 61
Fecha (AMD): 2005-12-21 17:38:44
Tramite : 011 PCT-PATENT 378 FASE NACI 411 PRESENTAC
Dependencia: 2020 DIVISION DE NUEVAS CREACIONES

REQUISITOS NECESARIOS PARA PRESENTACION Y AGILIZACION DEL TRAMITE

	USUARIO	RADICADOR
PATENTE DE INVENCION	()	()
MODELO DE UTILIDAD	()	()
- Indicación de que se solicita la concesión de una patente.	()	()
- Datos de identificación del solicitante o de la persona que se presenta la solicitud.	()	()
- Descripción de la invención.	()	()
- Dibujos de ser estos pertinentes.	()	()
- Comprobante de Pago de las tasas establecidas.	()	()
COMPLETA ()	INCOMPLETA ()	()
DISEÑO INDUSTRIAL ()		
- Indicación de que se solicita el registro de Diseño Industrial	()	()
- Datos de identificación del solicitante o de la persona que presenta la solicitud.	()	()
- Representación gráfica o fotográfica del Diseño Industrial o muestra del Material que incorpora el diseño.	()	()
- Comprobante de pago de las tasas establecidas	()	()
COMPLETA ()	INCOMPLETA ()	()
ESQUEMA DE TRAZADO ()		
- Indicación de que solicita el registro de un Esquema de trazado.	()	()
- Datos de identificación del solicitante o de la persona que presenta La solicitud.	()	()
- Representación gráfica del esquema de trazado	()	()
- Comprobante de pago de las tasas establecidas.	()	()
COMPLETA ()	INCOMPLETA ()	()

Firma Responsable:


Dic 21 de 2005

Fecha:

63
62

REPUBLICA DE COLOMBIA
SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

Bogotá,
2020

Doctor(a)
FERRERO EMILIO
Apoderado(a) y/o Representante de
GUALA CLOSURES PATENTS B.V.

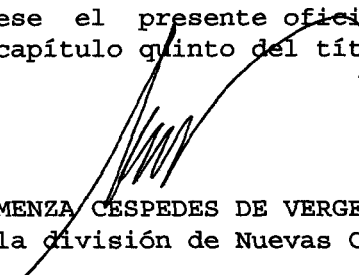
REFERENCIA	Radicación No.	5 128687
	Solicitud internacional	EP2004/006722
	Fecha inicio fase nacional	24/01/2006
	Trámite	11
	Evento	378
	Actuación	430
	Oficio No.	1476

Como resultado del examen de forma, realizado con fundamento en el artículo 38 de la Decisión 486 de la Comisión de la Comunidad Andina, artículo 27 del Tratado de Cooperación en Materia de Patentes (PCT), regla 51 bis del Reglamento y Circular Única de la Superintendencia de Industria y Comercio, se le comunica que:

1. La solicitud no contiene la copia del documento en que consta la cesión del derecho a la patente del inventor al solicitante o a su causante. (Art. 26-k) Decisión 486.

En cumplimiento de lo dispuesto por el artículo 39 de la Decisión 486, se le requiere para que dentro del término de dos meses siguientes a la fecha de notificación del presente oficio, complete los requisitos anteriormente enunciados. En caso de no dar cumplimiento al presente requerimiento, la solicitud se considerará abandonada y perderá su prelación.

Notifíquese el presente oficio conforme a lo dispuesto en el numeral 5.2, literal e), del capítulo quinto del título primero de la Circular Unica No.10 de 2001.


ALIX CARMENZA CESPEDES DE VERGEL
Jefe de la división de Nuevas Creaciones

El anterior requerimiento fue notificado por fijación en lista de fecha 10 FEB. 2006
adpa11