

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
DIVISI3N DE NUEVAS CREACIONES

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO



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Abogada
Margarita Castellanos A.
(Apoderada)

ASUNTO	Radicaci3n	03 - 40 203
	Tr3mite	002
	Evento	001
	Actuaci3n	430
	Oficio	15310
	Folios	028

Patente de Invenci3n	☒	Patente de Modelo de Utilidad	☐
V3a Nacional	☐		
V3a PCT (fase nacional)	☐	Cap.I	☐
		Cap. II	☐
No. Sol. Internacional			
Fecha de Presentaci3n Internal.			

Como resultado del examen de fondo, realizado con fundamento en el art3culo 45 de la Decisi3n 486 de la Comisi3n de la Comunidad Andina, se le comunica:

1. Documentos estudiados

- 1.1 Descripci3n: Folios 28 a 31 como se radic3 inicialmente
- 1.2 Reivindicaciones: Folios 32 y 33 como se radic3 inicialmente
- 1.3 Dibujos: Folio 35 como se radic3 inicialmente
- 1.4 Prioridad: Folios 9 a 26
02-11-25, US, 10/303 330

2. An3lisis de la Prioridad

- Las enseanzas del documento sobre el cual se reclam3 prioridad coinciden con las enseanzas de la presente solicitud.
- Se admite la prioridad para la materia contenida en ambas solicitudes.

3. Objeto de la invenci3n

- T3tulo de la solicitud: *Recipiente sellado*, folio 1.

- El objeto de la presente solicitud de patente de invención consiste en suministrar un recipiente sellado alargado y pequeño que se puede utilizar, como el cuerpo de un tapón de algodón, para almacenar líquidos que se pueden liberar dentro del algodón cuando se desee. Más particularmente, este recipiente se puede emplear para almacenar solventes volátiles como el alcohol.

Reivindicaciones 1 a 6: Un recipiente sellado que comprende: un alojamiento alargado, sellado, con dos medios de abertura; un separador que divide al alojamiento alargado en múltiples compartimentos, que permiten el flujo de fluidos entre ellos; donde el recipiente sellado almacena fluidos hasta que son liberados a través de los medios de abertura.

Reivindicaciones 7 a 12: Un recipiente sellado que comprende: un tubo alargado sellado con dos medios de abertura; un tubo alargado que está abierto por sus extremos, tiene menor diámetro y es más corto que el tubo alargado sellado y que está insertado dentro de éste para formar dos compartimentos cilíndricos; donde el recipiente sellado almacena un fluido que puede moverse libremente dentro de los compartimentos cilíndricos.

El problema planteado en esta solicitud es satisfacer la necesidad de tener un recipiente capaz de aplicar un fluido volátil, sin necesidad de utilizar un aplicador adicional.

Para solucionar este problema técnico la solicitud en estudio proporciona un recipiente sellado que contiene un fluido, que se puede abrir fácilmente y que tiene algodón para aplicar el fluido.

- Clasificación Internacional de Patentes (IPC) asignada: B65D 75/38, 75/58, 81/36

4. De la solicitud de Patente (según el caso)

4.1 Descripción (artículo 28 D. 486)

- Durante el análisis del texto de la descripción y de las ilustraciones anexadas, se observaron los siguientes defectos:
En la página 2, folio 29, se encuentra la expresión ... *el recipiente sellado insertado dentro del recipiente sellado que separa el recipiente sellado* ... que es ininteligible. Se le sugiere al solicitante que utilice un término diferente para distinguir un recipiente de otro [contenedor, envase, tubo, reservorio, tanque, etc.]. Este mismo defecto se encuentra en otros sitios de la descripción y las reivindicaciones, por ejemplo, en la página 3, folio 30, donde dice: *del alojamiento alargado 1 que separa al alojamiento alargado 1* [¿?].
- La descripción no cumple con el requisito de claridad o divulgación completa, lo que dificulta o impide su comprensión y ejecución de acuerdo al art. 28 de la Decisión 486 o al art. 22 del Tratado PCT

4.1 Reivindicaciones (artículo 30 D 486)

- Durante el análisis del texto de las reivindicaciones se observaron los siguientes defectos:

- 1) En la reivindicación 1, folio 32, dice *uno o más medios de abertura* pero solo se ha descrito un recipiente con dos medios de abertura, ni más ni menos, aunque dentro del texto de la descripción sí se mencionan uno o más medios de abertura, no se divulga nada al respecto. Consecuentemente, esta reivindicación carece de sustento.
 - 2) En la misma reivindicación 1, folio 32, aparece la expresión *se puede utilizar* lo que insinúa que también se *puede no utilizar*; como esta expresión es ambigua, debe suprimirse porque no contribuye a definir los alcances de la invención; además, para que haya coherencia con lo que se divulga debería sustituirse dicha expresión por *se utiliza*, u otra expresión afirmativa o positiva.
 - 3) Las reivindicaciones 2 a 6, folio 32, como dependen de la reivindicación 1, heredan sus defectos.
 - 4) La reivindicación 3, folio 32, pretende definir un continente por su contenido, lo cual no es admisible. Se advierte que, dependiendo de los alcances de la corrección que se haga a la reivindicación 1, se podría admitir la reivindicación 3, porque lo reclamado en ella se asimilaría a un paquete [continente más contenido].
Un defecto análogo se encuentra en la reivindicación 9, folio 33.
 - 5) Lo reclamado en las reivindicaciones 5 a 6, folio 32, como únicamente difiere de lo reclamado en la reivindicación 4 por la reivindicación a la que se remiten, debe ser incluido dentro de ésta última, porque como se encuentra redactado afecta negativamente a la concisión exigida.
Un defecto análogo se encuentra en las reivindicaciones 11 y 12, con relación a la reivindicación 10.
 - 6) En las reivindicaciones 4 a 6, folio 32, y en las reivindicaciones 10 a 12, folio 33, se encuentra la expresión *un material absorbente tal como una bola de algodón o una esponja* que es ambigua, porque no se sabe en definitiva si los materiales especificados están cubiertos o no por lo que se desea proteger, además, dentro del texto de la descripción no se encuentra la alusión a *una esponja* por lo que, además, lo reclamado no tiene sustento.
 - 7) En la reivindicación 7, folios 32 y 33, se encuentra la expresión *uno o más* que fue objetada arriba.
 - 8) En la misma reivindicación 7, se encuentra la expresión *corto en longitud* que es redundante y por tanto afecta negativamente la concisión.
 - 9) En la reivindicación 7, folio 33, aparece la expresión *el tubo alargado sellado insertado dentro del tubo alargado sellado que separa el tubo alargado sellado* que es ininteligible.
 - 10) En la reivindicación 7, folio 33, aparece la expresión *en donde los fluidos contenidos en el tubo*, que presupone que ya se ha hablado de unos fluidos, lo que no es cierto, porque esta es una reivindicación independiente.
 - 11) Las reivindicaciones 8 a 12, como se remiten directa o indirectamente a la reivindicación 7, heredan sus defectos.
- Las reivindicaciones no cumplen con los requisitos de definición, claridad, concisión y sustento por la descripción de acuerdo al art. 30 de la Decisión 486 o el art.22 Tratado PCT.

Se deben presentar, entonces, nuevos capítulos descriptivo y reivindicatorio, ambos completos, donde se hayan corregido todas las objeciones que se han hecho arriba. Esto con el fin de evitar -cuando solo

se presentan algunas páginas sueltas corregidas- que el lector tenga que desplazarse desde un sitio a otro de la solicitud y luego regresar a donde estaba antes sin perder la ilación de la lectura, porque esto produce confusión y afecta negativamente la claridad de dichos capítulos.

5. Determinación del Estado de la Técnica

- La fecha que se ha tenido en cuenta para determinar el Estado de la Técnica es la

Fecha de presentación de la solicitud prioritaria 02-11-25

- Se realizó la búsqueda en el estado de la técnica de documentos relacionados con la solicitud teniendo en cuenta la fecha indicada; y durante la búsqueda de anterioridades se encontraron los siguientes documentos, que forman parte de la familia de patentes de la presente solicitud: publicación US 2004/0099543 A1 del 04-05-27; publicación WO 2004/047648 A1 del 04-06-10; publicación EP 1 422 159 A3 del 05-11-30; y patente EP 1 422 159 B1 del 07-06-13. Se anexa la copia de las primeras páginas de estos documentos junto con la copia: del examen US, de la declaración de abandono US, del Informe de Búsqueda Internacional, del Informe de Búsqueda Europeo; y, la copia del capítulo reivindicatorio admitido por la Oficina Europea, en sus versiones en inglés y alemán.
- También se encontraron los siguientes documentos que forman parte del estado de la técnica más cercano al objeto de la solicitud:

n.º	Documento	Título	Fecha de publicación
D1	Patente US 3 757 782, cuyo inventor es Winthrop J. Aiken, quien le cedió sus derechos a Vivian C. Aiken	'Fluid pressurizable swab applicator for medicament, antiseptic or the like' (Un copito aplicador para medicinas, antisépticos o similares, sometido a presión de fluido)	73-09-11
D2	Patente US 3 759 259, cuyo inventor es Andrew Truhan	'Medicator with frangible seal' (Un aplicador de medicinas con un sello rompible)	73-09-18
D3	Patente US 4 272 768, cuyo inventor es Johnnie P. Rookard, Jr.	'Multi-purpose survival canteen' (Una cantimplora multipropósito de sobrevivencia)	81-06-09
D4	Patente US 4 550 848, cuyo inventor es Edward Sucato	'Baffle for canteens to prevent liquid splashing sounds' (Desviador para cantimploras que evita los sonidos del surtido de los líquidos)	85-11-05
D5	Patente US 4 903 708, cuyo inventor es Elmer F. Saint-Amand, quien le cedió sus derechos a la Saint-Amand Manufacturing Co.	'Swab transport system' (Un sistema de transporte de copitos)	90-02-27

n.º	Documento	Título	Fecha de publicación
D6	Patente US 5 579 937, cuyo inventor es Emery I. Valyi, quien le cedió sus derechos a la Pepsico, Inc.	'Blow molded plastic containers including a handgrip and method for obtaining same' (Contenedores plásticos, moldeados por soplado, que incluyen un asa y el método para obtenerlos)	96-12-03
D7	Patente US 5 704 906, cuyo inventor es Richard L. Fox	'Method of using a topical anesthetic-cleaning solution and applicator' (Un método y un aplicador para usar una solución tópica anestésica o limpiadora)	98-01-06

Se anexa la copia de la primera página de cada uno de estos documentos

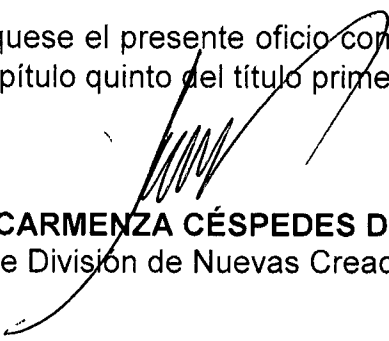
NOTA: No se realizaron las evaluaciones de los demás requisitos de patentabilidad, porque se hicieron algunas objeciones respecto a la definición, la claridad, la concisión y el sustento por la descripción de las reivindicaciones.

6. Conclusión:

Los requisitos de patentabilidad de la presente solicitud se encuentran afectados negativamente por la falta de claridad de la descripción y las reivindicaciones y por la falta de sustento y de concisión de estas últimas.

En cumplimiento del artículo 45 de la Decisión 486 de la Comisión de la Comunidad Andina, se le indica que debe dar respuesta dentro del término de sesenta días contados a partir de la fecha de notificación de la presente comunicación. Si el solicitante presentara una petición de modificación, deberá pagar la respectiva tasa vigente. En caso de no dar respuesta al presente requerimiento, o si a pesar de la respuesta subsistieran los impedimentos para la concesión, se denegará la patente.

Notifíquese el presente oficio conforme a lo dispuesto en el numeral 5.2, literal e), del capítulo quinto del título primero de la Circular Única N° 10 de 2001.


ALIX CARMENZA CÉSPEDES DE VERGEL
Jefe de División de Nuevas Creaciones

El anterior requerimiento fue notificado por fijación en lista, de fecha 29 NOV. 2007

CONCEPTO TÉCNICO n.º2331	EXAMINADOR TÉCNICO Código n.º 202009
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US 20040099543A1

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2004/0099543 A1**

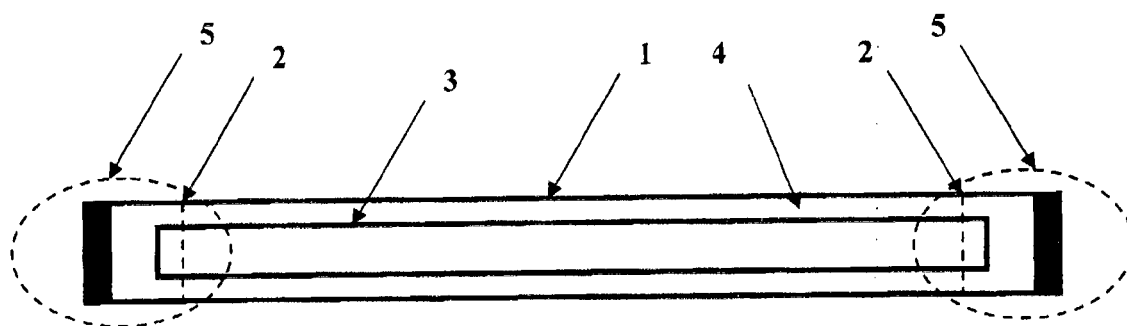
Tsaaur

(43) **Pub. Date: May 27, 2004**(54) **SEALED CONTAINER**(52) **U.S. Cl. 206/210; 206/484**(76) **Inventor: Garry Tsaaur, Rowland Heights, CA (US)**(57) **ABSTRACT**

Correspondence Address:

JOE NIEH**18760 E. AMAR ROAD #204****WALNUT, CA 91789 (US)**(21) **Appl. No.: 10/303,330**(22) **Filed: Nov. 25, 2002****Publication Classification**(51) **Int. Cl.⁷ B65D 81/24**

A sealed container is disclosed that stores fluid 4 in a sealed environment that can be easily released. The sealed container can be used as the body of a cotton swab and also for storing fluids 4 wherein the fluid 4 in the sealed container may be released into the cotton balls 5 attached to the ends of the cotton swab when desired. The sealed container is an elongated sealed container 1 with one or more opening means 2 near its ends. The sealed container is divided into two compartments that allow fluid 4 to move between them and may be used for the storage of evaporative fluids 4 such as solvents and alcohol without evaporation of the fluid 4.



Office Action Summary	Application No.	Applicant(s)	
	10/303,330	TSAUR, GARRY	
	Examiner	Art Unit	
	Gregory Pickett	3728	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on 27 October 2006.

2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) 1-24 is/are pending in the application.

4a) Of the above claim(s) 7-24 is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) 1-6 is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☒ Claim(s) 7-24 are subject to restriction and/or election requirement.

Application Papers

9) ☒ The specification is objected to by the Examiner.

10) ☒ The drawing(s) filed on 25 November 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:

1. ☐ Certified copies of the priority documents have been received.

2. ☐ Certified copies of the priority documents have been received in Application No. _____.

3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____

4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____

5) ☐ Notice of Informal Patent Application

6) ☐ Other: _____

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Art Unit: 3728

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 27 October 2006 has been entered.

Claims 1-24 are pending in the application.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

2. It is respectfully noted that the amendment presented 27 October 2006 is not fully compliant with 37 CFR 1.121. Claims 19-24 are provided with the incorrect status identifier (new); the claims were previously presented in the amendment of 6 February 2006. To expedite prosecution of the case, it is presumed that the correct status identifier is (withdrawn). See Section 4 below.

Election/Restrictions

3. Claims 7-18 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected species, there being no allowable generic or

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linking claim. Applicant timely traversed the restriction (election) requirement in the reply filed on 10 December 2004.

4. Applicant's assertion that claims 19-24 "further define and limits generic claim 1" ignores the fact that claim 19 recites "divider is an elongated tube that is open at both ends". This is clearly directed to species 1, whereas the applicant previously elected species 2. Therefore, claims 19-24 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected species, there being no allowable generic or linking claim.

5. Applicant is respectfully reminded that if claims are added after election, applicant must indicate which are readable on the elected species. MPEP 809.02(a).

Specification

6. The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required:

Claims 4-6 recite "a ball of cotton or sponge", there is insufficient antecedent basis in the specification for the term "sponge".

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

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Art Unit: 3728

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

7. Claims 1-6 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

Independent claims 1, 2, and 4 recite "one or more opening means". The scopes of the claims encompass more than two opening means whereas the specification is only enabling for two opening means. It is questioned, for example, whether any additional opening means would be internal or external to the cotton.

Claims 3, 5, and 6 are dependent on claims 1, 2, or 4 and are rejected for the above reasons.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

8. Claims 4-6 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claims 4-6, the phrase "such as" renders the claims indefinite because it is unclear whether the limitations following the phrase are part of the claimed invention. See MPEP § 2173.05(d).

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Claim Rejections - 35 USC § 102

9. Claims 1 and 3 are rejected under 35 U.S.C. 102(b) as being anticipated by Rookard, Jr. (US 4,272,768; hereinafter Rookard).

It is initially noted that the terminology "wherein the sealed container **may** be used to store fluids" (emphasis added) is not a positive recitation of the fluid. Therefore a prior art device need only be capable of storing fluids.

Claim 1: Rookard discloses a sealed, elongated tubular housing **3** with opening means **4** and divider **6** separating the housing into multiple compartments and allowing free flow of fluids between the compartments near both ends of the housing by means of apertures **7**.

Claim 3: Insofar as the fluid is not positively claimed, Rookard is fully capable of retaining alcohol.

Claim Rejections - 35 USC § 103

10. Claims 1, 3, 4, and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Aiken (US 3,757,782; previously provided) in view of Sucato (US 4,550,848).

It is initially noted that the terminology "wherein the sealed container **may** be used to store fluids" (emphasis added) is not a positive recitation of the fluid. Therefore a prior art device need only be capable of storing fluids.

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Claims 1 and 4: In Figures 1 and 2, Aiken discloses a sealed container **10** comprising a sealed, elongated tubular housing **12** with opening means **16** and absorbent material **18**. Aiken may be used to store fluids and merely lacks the divider.

Sucato teaches a divider **10** for a fluid container allowing free flow of fluid between the compartments at both ends of the container by means of apertures **16**. Sucato provide the divider for substantially reducing splashing and the sounds attributable thereto (see Col. 1, lines 43-48). It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the container of Aiken with a divider as taught by Sucato in order to substantially reduce splashing and the sounds attributable thereto.

Claim 3: Insofar as the fluid is not positively claimed, Aiken-Sucato is fully capable of retaining alcohol.

Claim 6: Aiken discloses absorbent material **18**.

11. Claims 2 and 5 rejected under 35 U.S.C. 103(a) as being unpatentable over Aiken-Sucato as applied to claim 4 above, and further in view of Truhan (US 3,759,259).

Aiken-Sucato, as applied to claim 4 above, discloses the claimed invention except for the scoring.

Aiken discloses opening means **16** as a frangible membrane. Truhan teaches scoring a frangible membrane **120** with score lines **121** to weaken the membrane, thereby lessening the force required to open. It would have been obvious to one of ordinary skill in the art at the time the invention was made to score the closure means of

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Aiken-Sucato as taught by Truhan in order to lessen the force required to open the container.

Response to Arguments

12. Applicant's arguments with respect to claims 1-6 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory Pickett whose telephone number is 571-272-4560. The examiner can normally be reached on Mon-Fri, 11:30 AM - 8:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mickey Yu can be reached on 571-272-4562. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

m

Notice of Abandonment	Application No.	Applicant(s)	
	10/303,330	TSAUR, GARRY	
	Examiner	Art Unit	
	Greg Pickett	3728	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

This application is abandoned in view of:

1. ☒ Applicant's failure to timely file a proper reply to the Office letter mailed on 12 December 2006.
 - (a) ☐ A reply was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply (including a total extension of time of _____ month(s)) which expired on _____.
 - (b) ☐ A proposed reply was received on _____, but it does not constitute a proper reply under 37 CFR 1.113 (a) to the final rejection.
(A proper reply under 37 CFR 1.113 to a final rejection consists only of: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114).
 - (c) ☐ A reply was received on _____ but it does not constitute a proper reply, or a bona fide attempt at a proper reply, to the non-final rejection. See 37 CFR 1.85(a) and 1.111. (See explanation in box 7 below).
 - (d) ☒ No reply has been received.
2. ☐ Applicant's failure to timely pay the required issue fee and publication fee, if applicable, within the statutory period of three months from the mailing date of the Notice of Allowance (PTOL-85).
 - (a) ☐ The issue fee and publication fee, if applicable, was received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the statutory period for payment of the issue fee (and publication fee) set in the Notice of Allowance (PTOL-85).
 - (b) ☐ The submitted fee of \$_____ is insufficient. A balance of \$_____ is due.
The issue fee required by 37 CFR 1.18 is \$_____. The publication fee, if required by 37 CFR 1.18(d), is \$_____.
 - (c) ☐ The issue fee and publication fee, if applicable, has not been received.
3. ☐ Applicant's failure to timely file corrected drawings as required by, and within the three-month period set in, the Notice of Allowability (PTO-37).
 - (a) ☐ Proposed corrected drawings were received on _____ (with a Certificate of Mailing or Transmission dated _____), which is after the expiration of the period for reply.
 - (b) ☐ No corrected drawings have been received.
4. ☐ The letter of express abandonment which is signed by the attorney or agent of record, the assignee of the entire interest, or all of the applicants.
5. ☐ The letter of express abandonment which is signed by an attorney or agent (acting in a representative capacity under 37 CFR 1.34(a)) upon the filing of a continuing application.
6. ☐ The decision by the Board of Patent Appeals and Interference rendered on _____ and because the period for seeking court review of the decision has expired and there are no allowed claims.
7. ☐ The reason(s) below:

/Greg Pickett/
Examiner
22 June 2007

Petitions to revive under 37 CFR 1.137(a) or (b), or requests to withdraw the holding of abandonment under 37 CFR 1.181, should be promptly filed to minimize any negative effects on patent term.

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

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10 June 2004 (10.06.2004)

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(26) Publication Language: English

(71) Applicant and
(72) Inventor: TSAUR, Gary [US/US]; 19222 Tranbarger Street, Rowland Heights, CA 91748 (US).

(74) Agent: NIEH, Joe; 18760 E. Amar Road, #204, Walnut, CA 91789 (US).

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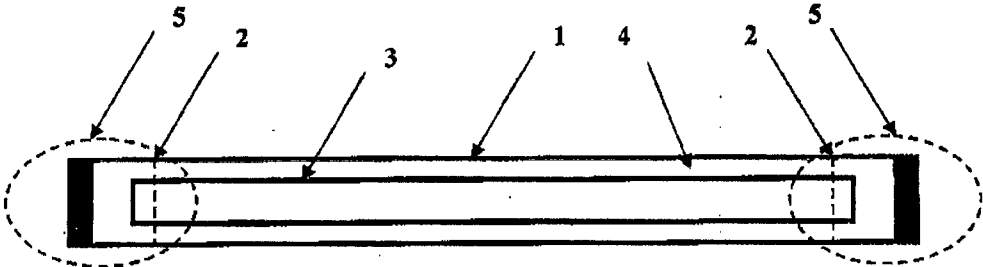
(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:
— as to the identity of the inventor (Rule 4.17(i)) for all designations
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for all designations
— of inventorship (Rule 4.17(iv)) for US only

Published:
— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SEALED CONTAINER



(57) Abstract: A sealed container stores fluid (4) in a sealed environment that can be easily released. The sealed container can be used as the body of a cotton swab and also for storing fluids (4) wherein the fluid (4) in the sealed container may be released into the cotton balls (5) attached to the ends of the cotton swab when desired. The sealed container is an elongated housing (1) with two ends that are sealed. An opening means in the form of a score (2) on the house (1) is located near each of the two ends. The housing can be divided into two compartments by the divider (6) that allows fluid (4) to move between them and may be used for the storage of evaporative fluids (4) such as solvents and alcohol without evaporation of the fluid (4).

WO 2004/047648 A1

INTERNATIONAL SEARCH REPORT

International application No. PCT/US02/37644

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A61B 10/00 US CL : 401/133; 604/1 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) U.S. : 401/133; 604/1 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 practicable, search terms used)												
C. DOCUMENTS CONSIDERED TO BE RELEVANT												
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.										
X	US 4,903,708 A (SAINT-AMAND) 27 February 1990 (27.02.1990), Figures 10, 15, 21, 27, 33 and 36.	1, 4, 7, 12										
X	US 5,704,906 A (FOX) 06 January 1998 (06.01.1998), Figures 1 and 2, column 1, lines 31-42, and column 2, lines 28-31.	1-12										
—												
Y		2, 3, 5, 6, 8, 9, 11, 12										
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.												
* Special categories of cited documents: <table border="0"> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"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</td> </tr> <tr> <td>"E" earlier application or patent published on or after the international filing date</td> <td>"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</td> </tr> <tr> <td>"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)</td> <td>"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</td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td>"&" document member of the same patent family</td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			"A" document defining the general state of the art which is not considered to be of particular relevance	"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	"E" earlier application or patent published on or after the international filing date	"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	"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)	"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	"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family	"P" document published prior to the international filing date but later than the priority date claimed	
"A" document defining the general state of the art which is not considered to be of particular relevance	"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											
"E" earlier application or patent published on or after the international filing date	"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											
"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)	"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											
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family											
"P" document published prior to the international filing date but later than the priority date claimed												
Date of the actual completion of the international search 07 April 2003 (07.04.2003)		Date of mailing of the international search report 14 MAY 2003										
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703)305-3230		Authorized officer Gregory L. Huson <i>G. Huson for</i> Telephone No. 703-308-0861										

(19)



Europäisches Patentamt

European Patent Office

Office européen des brevets



(11) **EP 1 422 159 A3**

(12) **EUROPEAN PATENT APPLICATION**

- (88) Date of publication A3:
30.11.2005 Bulletin 2005/48

(51) Int Cl.7: **B65D 75/38**, B65D 75/58,
B65D 81/32
- (43) Date of publication A2:
26.05.2004 Bulletin 2004/22
- (21) Application number: **03009544.2**
- (22) Date of filing: **28.04.2003**

(84) Designated Contracting States: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR Designated Extension States: AL LT LV MK (30) Priority: 25.11.2002 US 303330 (71) Applicant: Tsaur, Garry Rowland Heights, CA 91748 (US)	(72) Inventor: Tsaur, Garry Rowland Heights, CA 91748 (US) (74) Representative: Kühn, Armin Viering, Jentschura & Partner Patent- und Rechtsanwälte Steinsdorfstrasse 6 80538 München (DE)
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(54) **Sealed container**

(57) A sealed container is disclosed that stores fluid 4 in a sealed environment that can be easily released. The sealed container can be used as the body of a cotton swab and also for storing fluids 4 wherein the fluid 4 in the sealed container may be released into the cotton balls 5 attached to the ends of the cotton swab when

desired. The sealed container is an elongated sealed container 1 with one or more opening means 2 near its ends. The sealed container is divided into two compartments that allow fluid 4 to move between them and may be used for the storage of evaporative fluids 4 such as solvents and alcohol without evaporation of the fluid 4.

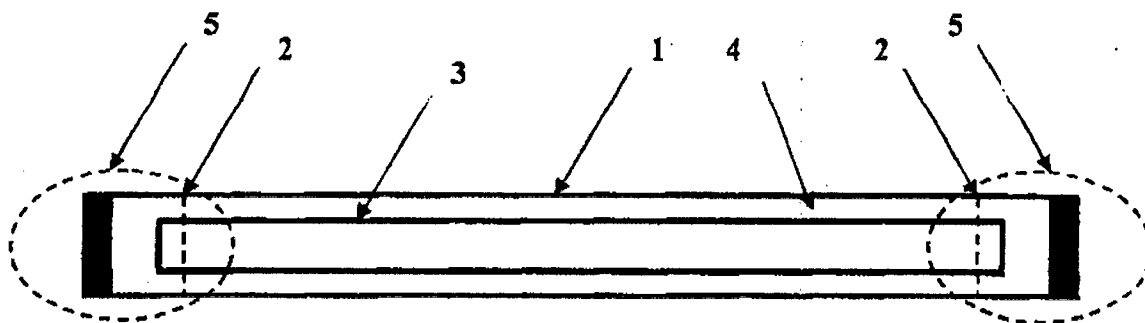


Figure 1

EP 1 422 159 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 00 9544

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 4 903 708 A (SAINT-AMAND ET AL) 27 February 1990 (1990-02-27) * column 6, line 36 - column 7, line 10 * * figures 10,15,21,27,33,36 * -----	1,3,4,6	B65D75/38 B65D75/58 B65D81/32
X	EP 0 622 304 A (PEPSICO INC; PEPSICO, INC) 2 November 1994 (1994-11-02) * column 6, line 53 - column 7, line 12 * * figure 3 * -----	1,3	
A	US 4 863 422 A (STANLEY ET AL) 5 September 1989 (1989-09-05) * the whole document * -----	1-12	
A	US 5 490 736 A (HABER ET AL) 13 February 1996 (1996-02-13) * the whole document * -----	1-6	
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7) A61M B65D A45D A61F
Place of search Berlin		Date of completion of the search 6 October 2005	Examiner Schultz, O
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

2
EPO FORM 1503 (3.12.1994)

EP 1 422 159 A3

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 03 00 9544

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

06-10-2005

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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82



(11) **EP 1 422 159 B1**

(12) **EUROPEAN PATENT SPECIFICATION**

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(51) Int Cl.:
B65D 75/38 (2006.01) B65D 75/58 (2006.01)
B65D 81/32 (2006.01)

(21) Application number: **03009544.2**

(22) Date of filing: **28.04.2003**

(54) **Sealed container**
Versiegelter Behälter
Récipient scellé

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HU IE IT LI LU MC NL PT RO SE SI SK TR
Designated Extension States:
AL LT LV MK

(30) Priority: **25.11.2002 US 303330**

(43) Date of publication of application:
26.05.2004 Bulletin 2004/22

(73) Proprietor: **Tsaur, Garry**
Rowland Heights, CA 91748 (US)

(72) Inventor: **Tsaur, Garry**
Rowland Heights, CA 91748 (US)

(74) Representative: **Kühn, Armin**
Viering, Jentschura & Partner
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Postfach 22 14 43
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EP 1 422 159 B1

Note: Within nine months from the publication of the mention of the grant of the European patent, any person may give notice to the European Patent Office of opposition to the European patent granted. Notice of opposition shall be filed in a written reasoned statement. It shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

[0011] The sealed container of the present invention allows a fluid 4 that evaporates easily, such as solvents and alcohol, to be stored in a sealed environment to prevent evaporation. The fluid 4 may be released easily through either one of the opening means 2 by simply breaking open the end at the scoring to allow the fluid 4 to flow into the cotton ball 5. Without the two compartment design of the present invention, the fluid 4 within the sealed container will not be released from the sealed container due to the small diameter of the sealed container and the resulting capillary action and atmospheric pressure, which will prevent the exit of the fluids 4 from the sealed container.

[0012] Although the description above contains many specificities, these should not be construed as limiting the scope of the invention but as merely providing illustrations of some of the presently preferred embodiments of this invention. Thus the scope of the invention should be determined by the appended claims, rather than by the examples given.

Claims

1. A sealed container comprising:

an elongated housing (1) with two longitudinal ends which are sealed and with one or more opening means (2);
a divider (3; 6) longitudinally separating the elongated housing (1) into a first continuous compartment and a second continuous compartment, the divider (3; 6) being shorter than the elongate housing (1) in manner to allow free flow of fluid (4) between the first and the second continuous compartment at both longitudinal ends of the elongated housing (1);
wherein the sealed container is used to store fluid (4) until the fluid (4) is released through the respective opening means (2).
2. The sealed container as in claim 1, wherein the divider (3; 6) is an elongated tube (3) thereby providing both the first and the second compartments as cylindrical compartments.
3. The sealed container as in claim 1 or 2, wherein the opening means (2) is a scoring that can be broken open to release the fluid (4) in the sealed container.
4. The sealed container as in one of claims 1 to 3, wherein the fluid (4) is alcohol.
5. A sealed container as in one of claims 1 to 4, wherein the opening means (2) is covered with an absorbent material such as a ball of cotton (5) or a sponge.

Patentansprüche

1. Versiegelter Behälter, umfassend:

ein längliches Gehäuse (1) mit zwei versiegelten Längsenden und mit einem oder mehreren Öffnungsmitteln (2),
ein Unterteilungsteil (3, 6), das das längliche Gehäuse (1) der Länge nach in einen ersten durchgehenden Raum und einen zweiten durchgehenden Raum aufteilt, wobei das Unterteilungsteil (3, 6) derart kürzer als das längliche Gehäuse (1) ist, um einen freien Fluss von Flüssigkeit (4) zwischen dem ersten und dem zweiten durchgehenden Raum an beiden Längsenden des länglichen Gehäuses (1) zu ermöglichen, wobei der versiegelte Behälter verwendet wird, um Flüssigkeit (4) zu bevorraten, bis die Flüssigkeit (4) durch das entsprechende Öffnungsmittel (2) freigegeben wird.
2. Versiegelter Behälter nach Anspruch 1, wobei das Unterteilungsteil (3, 6) ein längliches Röhrchen (3) ist, wodurch sowohl der erste als auch der zweite Raum als zylinderförmige Räume ausgebildet sind.
3. Versiegelter Behälter nach Anspruch 1 oder 2, wobei das Öffnungsmittel (2) eine Schwächungslinie ist, die aufgebrochen werden kann, um die Flüssigkeit (4) in dem versiegelten Behälter freizugeben.
4. Versiegelter Behälter nach einem der Ansprüche 1 bis 3, wobei die Flüssigkeit (4) Alkohol ist.
5. Versiegelter Behälter nach einem der Ansprüche 1 bis 4, wobei das Öffnungsmittel (2) mit einem absorbierenden Material, wie einem Wattebausch (5) oder einem Schwamm, umgeben ist.

Revendications

1. Récipient scellé comprenant :

un logement allongé (1) muni de deux extrémités longitudinales qui sont scellées et équipées d'un ou plusieurs dispositifs d'ouverture (2) ;
un séparateur (3 ; 6) séparant de manière longitudinale le logement allongé (1) en un premier compartiment continu et un second compartiment continu, le séparateur (3 ; 6) étant plus court que le logement allongé (1) de manière à permettre au fluide (4) de circuler librement entre le premier et le second compartiment continu au niveau des deux extrémités longitudinales du logement allongé (1) ;
dans lequel le récipient scellé est utilisé pour stocker du fluide (4) jusqu'à ce que le fluide (4)

[54] **FLUID PRESSURIZABLE SWAB
APPLICATOR FOR MEDICAMENT,
ANTISEPTIC OR THE LIKE**
[75] Inventor: Winthrop J. Aiken, St. Petersburg,
Fla.
[73] Assignee: Vivian C. Aiken, St. Petersburg, Fla.
; a part interest
[22] Filed: June 5, 1972
[21] Appl. No.: 259,919
[52] U.S. Cl. 128/269, 222/107, 401/132
[51] Int. Cl. A61m 35/00
[58] Field of Search 128/269; 222/92,
222/107; 401/132, 42, 177

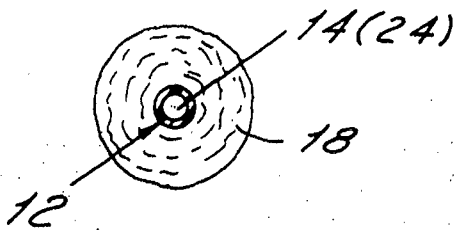
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3,519,364	7/1970	Truhan	401/177

Primary Examiner—Aldrich F. Medbery
Attorney—Franklin E. Quale

[57] **ABSTRACT**
A swab-type applicator for a treatment liquid, such as a medicament or antiseptic solution, includes an elongated tubular member of relatively small diameter fabricated of a transversely flexible, preferably transparent, synthetic plastic material chemically inert to the solution, as encapsulated in said member. The latter is provided at both ends with a rupturable sealing element in the form of a thin closure disc or membrane; this confines within the applicator tube a charge of the liquid treatment medium or solution until manual squeezing pressure on the tube between the temporarily sealed ends causes the medium to rupture one or both of the sealing elements. The tube ends are completely embedded axially in cotton or equivalent applicator swabs which are saturated upon rupture of the tube end seals. Two versions of the device are disclosed, in one of which the rupturable seal elements alone confine the charge of solution in a full tube bore length between its ends, and in another of which a small separating and sealing plug is permanently seated within the wall of the tube at its mid-point. This permits a selective squeezing and end-rupturing compression of the tube at sub-lengths at either side of said separator element, temporarily leaving intact the rupturable sealing element for the opposite tube sub-length.

6 Claims, 4 Drawing Figures



United States Patent [19]
Truhan

[11] 3,759,259
[45] *Sept. 18, 1973

[54]	MEDICATOR WITH FRANGIBLE SEAL	3,324,855	6/1967	Heimlich.....	401/133
[76]	Inventor: Andrew Truhan, R.D. 3, Box 392 T, Somerset, N.J. 08873	3,351,058	11/1967	Webb.....	128/272 X
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[*] Notice: The portion of the term of the patent subsequent to July 7, 1987, has been disclaimed.

[22] Filed: Mar. 8, 1971

[21] Appl. No.: 122,011

Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 877,639, Nov. 18, 1969, abandoned.

[52]	U.S. Cl.....	128/269, 401/132
[51]	Int. Cl.....	A61m 35/00
[58]	Field of Search.....	128/269, 216, 260, 128/272; 401/132, 133, 134, 135, 136

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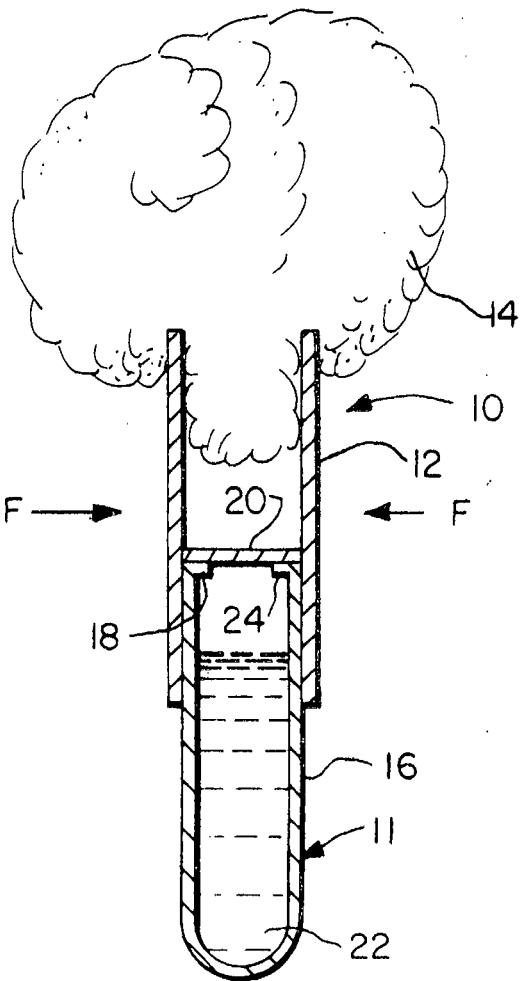
628,260	11/1961	Italy	128/260
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929,331	6/1963	Great Britain.....	401/134

Primary Examiner—Richard A. Gaudet
Assistant Examiner—J. C. McGowan
Attorney—Stowell & Stowell

[57] ABSTRACT

A medicator having an applicator with a medicament container connected thereto. A seal, frangible upon the application of lateral pressure thereto normally blocks communication between the applicator and the container.

2 Claims, 5 Drawing Figures



United States Patent [19]
Rookard, Jr.

[11] 4,272,768
[45] Jun. 9, 1981

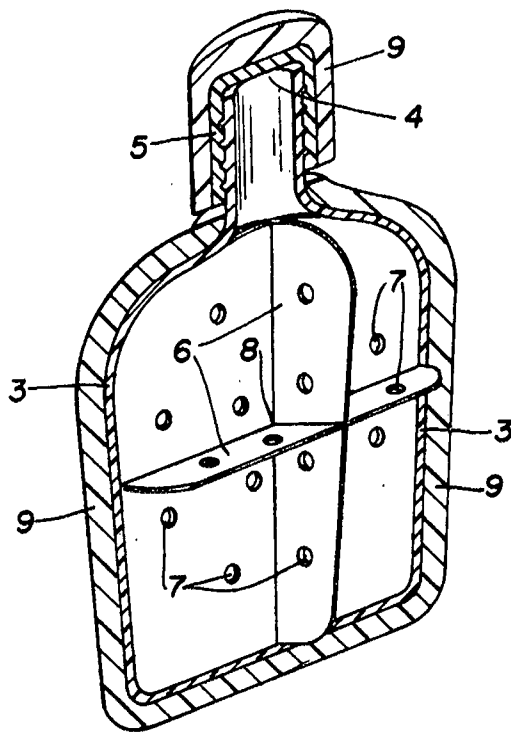
[54] MULTI-PURPOSE SURVIVAL CANTEEN
[76] Inventor: Johnnie P. Rookard, Jr., 1061-72nd Ave., Apt. 4, Oakland, Calif. 94621
[21] Appl. No.: 113,442
[22] Filed: Jan. 21, 1980
[51] Int. Cl.³ H01Q 15/18; B65D 1/04
[52] U.S. Cl. 343/18 C; 215/6; 215/13 R
[58] Field of Search 343/18 C; 215/6, 13 R

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3,276,017 9/1966 Mullin 343/18 C
Primary Examiner—T. H. Tubbesing
Attorney, Agent, or Firm—Manfred M. Warren; Robert B. Chickering; Glen R. Grunewald

[57] ABSTRACT
A survival canteen is disclosed which has a substantially microwave transparent vessel for holding liquid. The vessel has internal microwave-reflective baffles which divide the vessel into chambers. Openings between the chambers allow damped fluid flow therebetween. The baffles are positioned to define at least one corner reflector so as to provide a highly reflective radar target.

7 Claims, 3 Drawing Figures



United States Patent [19]
Sucato

[11] **Patent Number:** 4,550,848
[45] **Date of Patent:** Nov. 5, 1985

[54] **BAFFLE FOR CANTEENS TO PREVENT LIQUID SPLASHING SOUNDS**
[76] **Inventor:** Edward Sucato, 3102 N. 24th St., Phoenix, Ariz. 85016

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4,272,768 6/1981 Rookard 215/6

[21] **Appl. No.:** 609,304
[22] **Filed:** May 11, 1984

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174217 7/1971 Sweden .

[51] **Int. Cl.⁴** B65D 1/04; B65D 5/48; B65D 25/04
[52] **U.S. Cl.** 220/22; 215/6; 229/15
[58] **Field of Search** 220/20, 22, 22.1, 22.2, 220/22.3; 215/6; 229/15

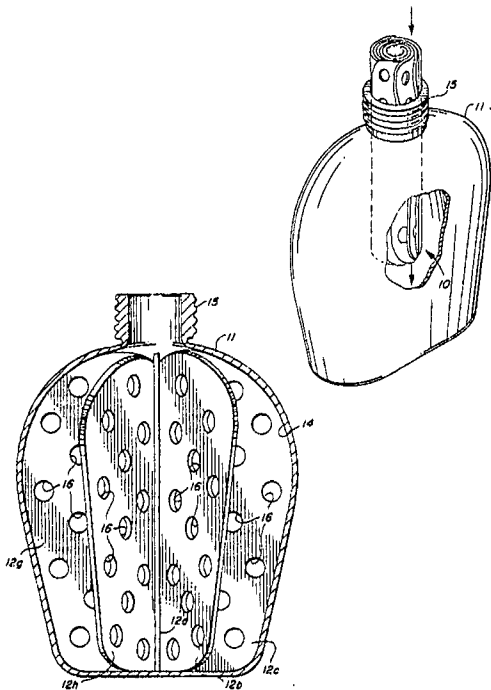
Primary Examiner—George E. Lowrance
Attorney, Agent, or Firm—Warren F. B. Lindsley

[57] **ABSTRACT**

An elongated baffle having a plurality of apertured damping members connected together to extend radially outwardly of its center which members are coilable so that the baffle can fit through the neck of a canteen with the members then expanding in the canteen to prevent liquid splashing sounds.

[56] **References Cited**
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4 Claims, 5 Drawing Figures



[54] SWAB TRANSPORT SYSTEM

- [75] Inventor: Elmer F. Saint-Amand, Canyon Country, Calif.
[73] Assignee: Saint-Amand Manufacturing Co., Inc., San Fernando, Calif.
[21] Appl. No.: 288,987
[22] Filed: Dec. 23, 1988

Related U.S. Application Data

- [63] Continuation-in-part of Ser. No. 107,408, Oct. 13, 1987, Pat. No. 4,813,432.
[51] Int. Cl.⁴ A61B 10/00
[52] U.S. Cl. 128/749; 128/759; 206/438; 206/363; 206/569; 422/102; 435/296
[58] Field of Search 128/749, 756, 757, 759; 215/DIG. 3; 422/58, 99, 101, 102; 435/292, 294, 295, 296; 206/363, 438, 569, 828; 604/363

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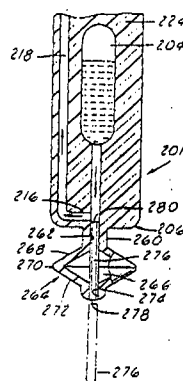
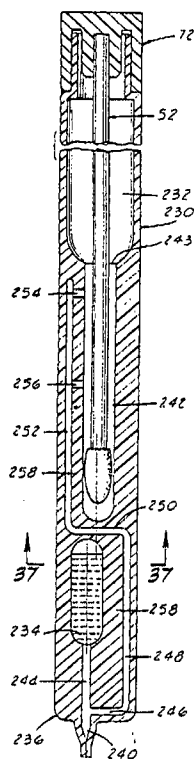
Primary Examiner—Max Hindenburg
Assistant Examiner—Randy Shay

Attorney, Agent, or Firm—James E. Brunton

[57] ABSTRACT

A swab transport apparatus for storing and transporting to a laboratory a swab containing a sample or specimen such as a micro organism sample. The uncontaminated swab is pre-packaged within a sterile swab storage chamber of the apparatus from which it can conveniently be removed for taking a sample. Disposed proximate the swab storage chamber and in communication therewith, is a squeeze bulb to which a suitable transport medium can be added either at time of manufacture of the device, or shortly prior to use. Following addition of the transport medium the squeeze bulb and the return of the contaminated swab to the apparatus, the squeeze bulb is squeeze to cause the transport medium to flow, preferably via a circuitous path, into the swab storage chamber. The apparatus can then be forwarded to the laboratory for testing with the swab safely immersed within the appropriate transport medium. In an alternate form of the apparatus, a second squeeze bulb is provided. This second squeeze bulb is in communication with the swab storage chamber and enables withdrawal therefrom of a sample of the transport medium which surrounds the contaminated swab. Where appropriate, the second squeeze bulb can be severed from the apparatus and forwarded to the laboratory for preliminary testing.

9 Claims, 7 Drawing Sheets





US005579937A

United States Patent [19]

Valyi

[11] Patent Number: 5,579,937

[45] Date of Patent: *Dec. 3, 1996

- [54] BLOW MOLDED PLASTIC CONTAINERS INCLUDING A HANDGRIP AND METHOD FOR OBTAINING SAME
- [75] Inventor: Emery I. Valyi, Katonah, N.Y.
- [73] Assignee: Pepsico, Inc., Purchase, N.Y.
- [*] Notice: The term of this patent shall not extend beyond the expiration date of Pat. No. 5,398,828.
- [21] Appl. No.: 242,426
- [22] Filed: May 13, 1994

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Primary Examiner—Sue A. Weaver
Attorney, Agent, or Firm—Bachman & LaPointe, P.C.

Related U.S. Application Data

- [63] Continuation-in-part of Ser. No. 77,271, Jun. 17, 1993, Pat. No. 5,398,828, which is a continuation-in-part of Ser. No. 55,663, Apr. 29, 1993, abandoned.
- [51] Int. Cl.⁶ B65D 1/04; B65D 23/10; B29C 49/12; B29D 24/00
- [52] U.S. Cl. 215/384; 215/6; 220/771; 264/524; 264/537
- [58] Field of Search 215/6, 383, 384; 220/771; 264/523, 537, 524

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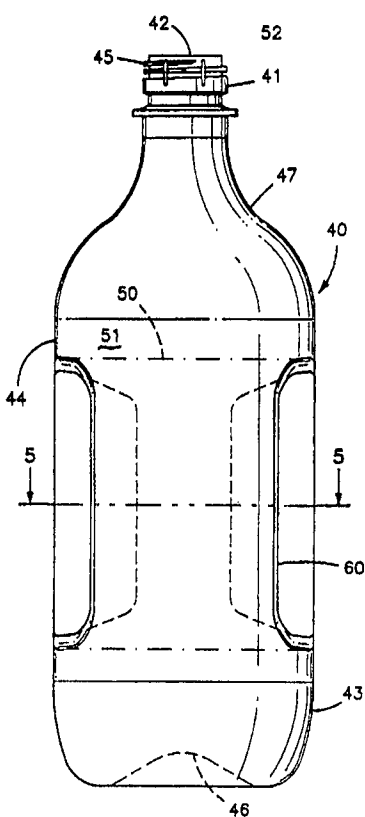
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[57] ABSTRACT

A blow molded plastic container including a supporting member in the hollow space of the container extending completely across the hollow space and integral with the inside wall face of the body portion of the container at two spaced locations thereof to support the inside wall face. The body portion defines regions that comprise at least two adjoining lobes which form a handgrip. The method injection molds a preform containing an inner wall, blow molds the preform into the shape of a precursor having adjoining lobes separated by depressions, removes the precursor from the blow mold, and applies internal pressure into the precursor to form the precursor into its final shape including lobes.

11 Claims, 2 Drawing Sheets





US005704906A

United States Patent [19]
Fox

[11] Patent Number: 5,704,906
[45] Date of Patent: Jan. 6, 1998

[54] METHOD OF USING A TOPICAL
ANESTHETIC-CLEANSING SOLUTION AND
APPLICATOR

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[76] Inventor: Richard L. Fox, 9 Cranbury Ct.,
Edison, N.J. 08820

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Packaging for Betadine Solution Swabstick (1993).

Primary Examiner—John G. Weiss

Assistant Examiner—Dennis Ruhl

Attorney, Agent, or Firm—Kenyon & Kenyon

[21] Appl. No.: 606,902

[22] Filed: Feb. 26, 1996

[51] Int. Cl.⁶ A61M 35/00

[52] U.S. Cl. 604/1

[58] Field of Search 604/1-3

[57] ABSTRACT

A topical anesthetic-cleansing solution and applicator are provided. The anesthetic-cleansing solution comprises an anesthetic agent such as Benzocaine and a cleansing solution such as alcohol. The applicator includes a swab and outer packaging housing the swab in a generally sterile environment. The swab includes an elongated member and an absorbent tip attached to the elongated member. The absorbent tip is impregnated with the anesthetic-cleansing solution. A method is also provided for using the applicator. The method includes the steps of holding a portion of the packaging covering the swab elongated member; removing a portion of the packaging covering the absorbent tip to expose the absorbent tip; and applying the absorbent tip on the patient's skin area to be anesthetized and cleansed.

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2 Claims, 1 Drawing Sheet

