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15 Junio 2008

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☒ Patente de Invención

☐ Patente de Modelo de Utilidad

☒ Capítulo I

☐ Capítulo II

2

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Comprobante de pago No.

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33

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ANEXOS

☒

Comprobante de pago de la tasa de presentación de la solicitud.

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Documento que acredita la existencia y representación legal cuando el solicitante sea persona jurídica.

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Poderes, si fuere el caso.

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Documento de cesión del inventor al solicitante o a su causante.

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Declaraciones

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Copia de la solicitud internacional (Resumen, descripción, reivindicaciones, dibujos)

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Traducción de la solicitud internacional al castellano. (Resumen, descripción, reivindicaciones, dibujos)

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Copia del examen preliminar internacional efectuado por la Autoridad Internacional de Examen Preliminar (IPEA).

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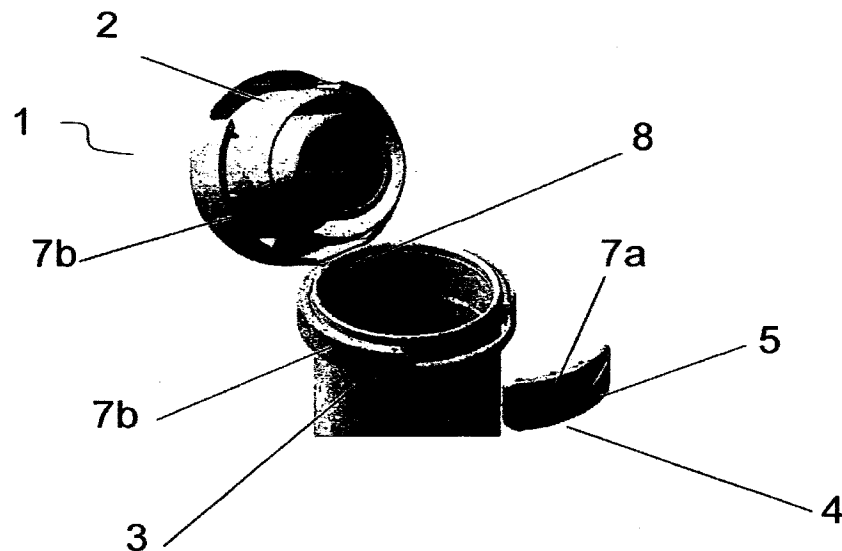
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FIGURA CARACTERISTICA



12

Solicito la concesión de la patente,

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From the INTERNATIONAL BUREAU

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SUBMISSION OR TRANSMITTAL
OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

To:

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c/o Bayer HealthCare AG
Law and Patents,
Patents and Licensing
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International publication date (day/month/year) Not yet published	Priority date (day/month/year) 15 November 2005 (15.11.2005)
Applicant BAYER CONSUMER CARE AG et al	

- By means of this Form, which replaces any previously issued notification concerning submission or transmittal of priority documents, the applicant is hereby notified of the date of receipt by the International Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the International Bureau in compliance with Rule 17.1(a) or (b).
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Die angehefteten Unterlagen stimmen mit der ursprünglich eingereichten Fassung der auf dem nächsten Blatt bezeichneten europäischen Patentanmeldung überein.

The attached documents are exact copies of the European patent application described on the following page, as originally filed.

Les documents fixés à cette attestation sont conformes à la version initialement déposée de la demande de brevet européen spécifiée à la page suivante.

Patentanmeldung Nr.

Patent application No.

Demande de brevet n°

05292423.0 / EP05292423

The organization code and number of your priority application, to be used for filing abroad under the Paris Convention, is EP05292423

Der Präsident des Europäischen Patentamts;
Im Auftrag

For the President of the European Patent Office

Le Président de l'Office européen des brevets
p.o.

R.C. van Dijk



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Application no.: 05292423.0
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Anmelder/Applicant(s)/Demandeur(s):

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Bezeichnung der Erfindung/Title of the invention/Titre de l'invention:
(Falls die Bezeichnung der Erfindung nicht angegeben ist, siehe Beschreibung.
If no title is shown please refer to the description.
Si aucun titre n'est indiqué se référer à la description.)

Tamper evident closure

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Tamper Evident Closure

The invention relates to tamper evident closure for a tube, container or package.

Tamper evident closures of various types have been known for a long time. Known tamper evident closures may comprise a tamper evident ring. Tamper evident closures with tamper evident rings
5 are used for bottles and other containers with closures which generally have a diameter not exceeding 5 to 6 cm like bottles or tubes for tablets. For example EP 0 202 506 B1 discloses a container with a closure comprising a tamper evident ring.

Tamper evident closures known in the state of the art may alternatively comprise a tamper evident tab, which is on one side of the closure connected by tear-off/tamper evident webs to the lid and
10 the body of a tube, container or package and has to be removed before opening the closure. Tamper evident tabs are often used for cup-like packages made of plastics with a lid and which have a large diameter (more than 5 to 6 cm) compared to i.e. the closures of bottles. It is also known to use tamper evident tabs with tubes as disclosed in FR 2707958 and JP 2004175436. Tamper evident tabs have the advantages first that it is more obvious for the consumer to recognize
15 if the tamper evident closure has been broken or manipulated than with the tamper evident ring, second that it is easier to peel off a tab than to break a ring.

The state of the art devices have either a tamper evident ring or a tamper evident tab. If a tamper evident tab has been removed it is not clear, if the tube, container or package really has been opened. The consumer might discard unnecessarily a tube, container or package, because the tab
20 had been removed for some reason, although the tube, container or package had in fact not been opened. On the other hand the consumer might not become aware that the tube, container or package had been opened if it has a tamper evident ring.

A disadvantage of tamper evident rings is also that in the state-of-the-art devices the tamper evident ring falls down when the tear-off/tamper evident webs connecting the ring to the closure
25 are broken.

The problem to be solved is therefore to provide a closure which alerts the consumer that the tube, container or package had been manipulated but preserves the consumer from unnecessarily discarding tubes, containers or packages, which have in fact not been opened.

This problem is solved by a closure for a tube, container or package with a ring connected to the
30 tube and a lid, which is attached to the ring by means of a hinge, of a tab and of tear-off/tamper evident webs between said ring and said lid. The tab is attached through tear-off/tamper evident webs to the ring and the lid.

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Before the tube is opened the first time the tamper evident ring and the tab are connected with the lid by means of the tear-off/tamper evident webs and by a hinge. To open the tube for the first time, it is first necessary to remove the tab, which breaks the tear-off/tamper evident webs between the tab and the ring respectively the lid. A large "window" becomes accessible where the tab had been removed. The consumer can put his thumb into this window to push-up the lid. By doing this, the tear-off/tamper evident webs between the ring and the lid are also broken. The hinge is left as connection between lid and ring and prevents the ring from falling down. In an alternative embodiment the ring can be designed such that an inside part of the ring is adjusted to the tube, container or package such that it would be prevented from falling down even in the absence of a hinge.

Preferably the tear-off/tamper evident webs are located at predetermined distances, more preferred equidistant from one another. In an alternative embodiment in order to decrease or adjust the force for opening the first time the tear-off/tamper evident webs are arranged such that the more these tear-off/tamper evident webs are near to the tab, the more space there is between two of them.

In one embodiment the tab is located opposite to the hinge on the periphery of the closure. Preferably the tab does not extend beyond the external diameter of the ring, in order to assure a better efficiency on packing lines. The tab can have a width in the range from 8 to 40 mm, preferably in the range from 15 to 25 mm, and a height in the range of 2 to 20 mm, preferably in the range from 7 to 13 mm. A pictogram or a wording may be applied to the tab, indicating to the user that the tab has to be removed before opening the lid and which side of the tab to pull first.

The closure can be circular or ellipsoid. Preferably it has a height in the range from 10 to 40 mm, preferably 15 to 30 mm and a total diameter in the range from 10 to 50 mm, preferably in the range from 20 to 40 mm. The lid can contain a desiccant in a specific cavity or it can contain an attached canister with some desiccant and/or active materials in.

In one embodiment gripping parts are on the top of the lid. By means of the gripping parts the lid can be closed by pushing on the top of the closure with the index or with the thumb.

The closure is preferably of the snap-on type.

The closures according to the present invention can preferably be used on plastic or aluminium rigid tubes. If the closure is made of polymer material, then it can be fabricated by injection molding.

Also disclosed herewith is a method for opening a closure according to the present invention for the first time. Which method comprises the steps of removing the tab from the ring area such that a

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Figures and Examples

Fig. 1 shows a closure before the first opening

Fig. 2 shows a closure in open state

Fig. 3 shows a closure in closed state with tab removed

5 Fig. 1 shows a closure 1 before the first opening. The closure 1 comprises a lid 2, a tamper evident ring 3 and a tab 4. The tamper evident ring 3 and the tab 4 are connected with the lid 2 by means of the tear-off webs 7a, 7b and by a hinge 8 (shown in Fig. 2). An arrow 5 on the tab 4 is indicating for the user, that the tab 4 has to be removed before opening. In the example shown in Fig. 1 the closure (1) has a height of 22.5 mm and a diameter of 34.5 mm. The tab (4) has a width of 20 mm
10 and a height of 10 mm.

Fig. 2 shows a closure 1 in open state. The tab 4 has been removed. One part of the periphery of the tab 4 was connected through tear-off webs (not shown) with the ring 3 and the other part of the periphery of the tab 4 was connected through tear-off webs 7a to the lid 2. The tear-off webs 7a between the tab 4 and the ring 3 respectively the lid 2 have been broken. Tear-off webs 7b between
15 ring 3 and lid 2 have been broken, which were present at those parts of the periphery of the ring 3 and the lid 2, where no hinge 8 and no tear-off webs 7a are present.

Fig. 3 shows a closure 1 in closed state with tab 4 removed. A large window 9 is accessible where the tab 4 has been removed. The closure 1 can be opened by the user with only one hand by putting the thumb into the window 9 to push-up the lid 2. The lid 2 can be closed again by means
20 of the gripping parts 6 by pushing on the top of the lid 2 with the index or with the thumb.

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Claims

1. Closure (1) for tube, container or package comprising:

a ring (3) connected to the tube, container or package; and

a lid (2), which is connected to the ring (3) by means of a

5 - a tab (4), wherein said tab (4) is connected through tear-off/tamper evident webs
 (7a) with the ring (3) and the lid (2), and

 - tear-off/tamper evident webs (7b) between said ring (3) and said lid (2).
2. Closure (1) according to claim 1, wherein the lid (2) is also connected to the ring (3) by
means of a hinge (8).
- 10 3. Closure (1) according to claim 1 or 2, wherein the ring is designed such that an inside part
of the ring is adjusted to the tube, container or package such that it would prevent the ring
from falling down after the tear-off/tamper evident webs (7a, 7b) have been broken.
4. Closure (1) according to one of the claims 1 to 3, wherein one part of the periphery of said
tab (4) is connected through tear-off/tamper evident webs (7a) with the ring (3) and the
15 other part of the periphery of said tab (4) is connected through tear-off/tamper evident
webs (7b) to the lid (2).
5. Closure (1) according to one of the claims 1 to 4, wherein the tear-off/tamper evident webs
(7b) between said ring (3) and said lid (2) are present at those parts of the periphery of the
ring (3) and the lid (2), where no tear-off/tamper evident webs (7a) to the tab (4) and, as
20 the case may be, no hinge (8) are present.
6. Closure (1) according to one of the claims 1 to 5, wherein the tear-off/tamper evident webs
(7a, 7b) are located at predetermined distances from one another.
7. Closure (1) according to claim 6, wherein the tear-off/tamper evident webs (7a, 7b) are
located equidistant to one another.
- 25 8. Closure (1) according to claim 6, wherein the tear-off/tamper evident webs (7a, 7b) are
arranged such that the more these tear-off/tamper evident webs (7a, 7b) are near to the tab
(4), the more space there is between two of them.

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9. Closure (1) according to one of the claims 1 to 8, wherein the closure (1) is circular or ellipsoid.
10. Closure (1) according to claim 2, wherein the tab (4) is located opposite to the hinge (8) on the periphery of the closure (1).
- 5 11. Closure (1) according to one of the claims 1 to 10, wherein the tab (4) does not extend beyond the external diameter of the ring (3).
12. Closure (1) according to one of the claims 1 to 11, wherein the lid (2) contains a desiccant.
13. Closure (1) according to one of the claims 1 to 12, wherein the closure (1) has a height in the range from 10 to 40 mm, preferably in the range from 15 to 30 mm.
- 10 14. Closure (1) according to one of the claims 1 to 13, wherein the closure (1) has a diameter in the range from 10 to 50 mm, preferably in the range from 20 to 40 mm.
15. Closure (1) according to one of the claims 1 to 14, wherein the tab (4) has a width in the range from 8 to 40 mm, preferably in the range from 15 to 25 mm.
- 15 16. Closure (1) according to one of the claims 1 to 15, wherein the tab (4) has a height in the range from 2 to 20 mm, preferably in the range from 7 to 13 mm.
17. Closure (1) according to one of the claims 1 to 16, wherein the closure (1) is of snap-on type.
18. Closure (1) according to one of the claims 1 to 17, wherein the lid (2) has gripping parts (6) on its top side.
- 20 19. Closure (1) according to one of the claims 1 to 18, wherein the lid (2) has company logo and/or brand name and/or brand logo on its top side.
20. Closure (1) according to one of the claims 1 to 19, wherein the closure (1) is made of polymer material and fabricated by injection molding.
21. Closure (1) according to one of the claims 1 to 20, wherein a pictogram (5) or a wording is applied to the tab (4), indicating to the user that the tab (4) has to be removed before opening the lid (2) and which side to pull this tab first
- 25 22. A method for opening a closure (1) of claim 1 for the first time, comprising the steps of
 - removing tab (4) such that a window (9) and a lid underside appear;

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- applying a force onto the underside of the lid (2) thereby breaking the tear-off/tamper evident webs (7b) between the lid (2) and the ring (3); and
- opening the closure (1).

23. A method for opening a closure (1) of claim 1 comprising the steps of

- 5
- putting a thumb into the window (9) in the ring (3) area of the closure (1);
 - applying a force onto the underside of the lid (2) thereby breaking the tear-off/tamper evident webs (7b) between the lid (2) and the ring (3); and
 - opening the closure (1).

24. A method of claim 22 or 23, wherein the force is applied to the underside of the lid (2) by
10 putting a thumb into the window (9) in the ring (3) area of the closure (1).

25. A method for closing the closure (1) of claim 1, comprising the steps of

- grabbing a tube, container or package with the closure (1);
- pushing on the top of the closure (1) with the index or with the thumb; and
- let the lid (2) snap onto the ring (3).

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Tamper Evident Closure**Summary**

Closure for tablet tubes comprising a ring connected to the tube, a lid, which is connected to the ring by means of a tab, wherein said tab is connected through tear-off/tamper evident webs with the ring and the lid, and tear-off/tamper evident webs between said ring and said lid.

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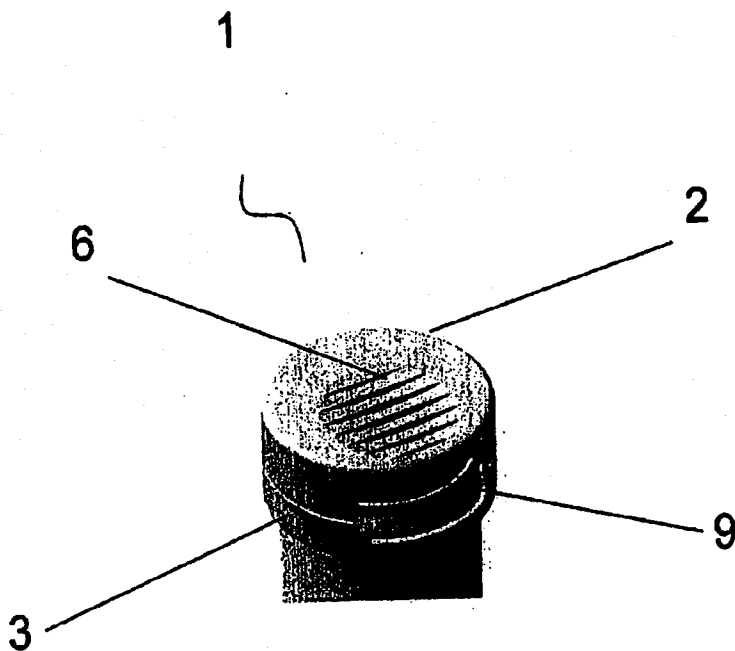


Fig. 3

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23. April 2008

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PCT/EP2006/010841
Bayer Consumer Care AG et al.

Request for correction according to rule 91

The correct address of the applicant is

Peter Merian-Str. 84, CH-4052 Basel [CH]

The correct nationality of the inventor/applicant William Leonard MORLEY is **US**.

It is hereby requested to make the corrections ex officio.



Dr. Markus Albers

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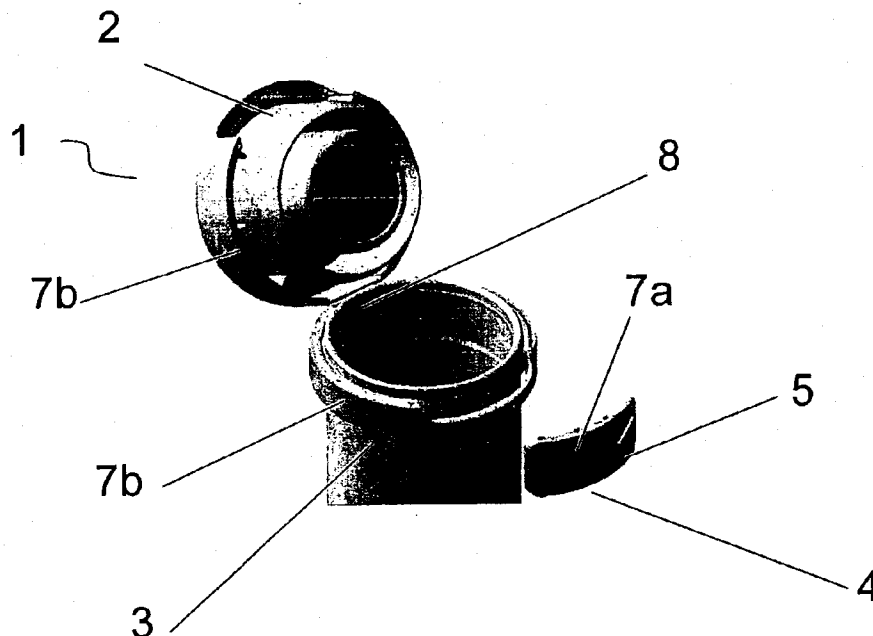
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(54) Title: TAMPER EVIDENT CLOSURE



(57) Abstract: Closure for tablet tubes comprising a ring connected to the tube, a lid, which is connected to the ring by means of a tab, wherein said tab is connected through tear-off/tamper evident webs with the ring and the lid, and tear-off/tamper evident webs between said ring and said lid.

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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.

Tamper Evident Closure

The invention relates to tamper evident closure for a tube, container or package.

Tamper evident closures of various types have been known for a long time. Known tamper evident closures may comprise a tamper evident ring. Tamper evident closures with tamper evident rings
5 are used for bottles and other containers with closures which generally have a diameter not exceeding 5 to 6 cm like bottles or tubes for tablets. For example EP 0 202 506 B1 discloses a container with a closure comprising a tamper evident ring.

Tamper evident closures known in the state of the art may alternatively comprise a tamper evident tab, which is on one side of the closure connected by tear-off/tamper evident webs to the lid and
10 the body of a tube, container or package and has to be removed before opening the closure. Tamper evident tabs are often used for cup-like packages made of plastics with a lid and which have a large diameter (more than 5 to 6 cm) compared to i.e. the closures of bottles. It is also known to use tamper evident tabs with tubes as disclosed in FR 2707958 and JP 2004175436. Tamper evident tabs have the advantages first that it is more obvious for the consumer to recognize
15 if the tamper evident closure has been broken or manipulated than with the tamper evident ring, second that it is easier to peel off a tab than to break a ring.

The state of the art devices have either a tamper evident ring or a tamper evident tab. If a tamper evident tab has been removed it is not clear, if the tube, container or package really has been opened. The consumer might discard unnecessarily a tube, container or package, because the tab
20 had been removed for some reason, although the tube, container or package had in fact not been opened. On the other hand the consumer might not become aware that the tube, container or package had been opened if it has a tamper evident ring.

A disadvantage of tamper evident rings is also that in the state-of-the-art devices the tamper evident ring falls down when the tear-off/tamper evident webs connecting the ring to the closure
25 are broken.

The problem to be solved is therefore to provide a closure which alerts the consumer that the tube, container or package had been manipulated but preserves the consumer from unnecessarily discarding tubes, containers or packages, which have in fact not been opened.

This problem is solved by a closure for a tube, container or package with a ring connected to the
30 tube and a lid, which is attached to the ring by means of a hinge, of a tab and of tear-off/tamper evident webs between said ring and said lid. The tab is attached through tear-off/tamper evident webs to the ring and the lid.

Before the tube is opened the first time the tamper evident ring and the tab are connected with the lid by means of the tear-off/tamper evident webs and by a hinge. To open the tube for the first time, it is first necessary to remove the tab, which breaks the tear-off/tamper evident webs between the tab and the ring respectively the lid. A large "window" becomes accessible where the tab had been removed. The consumer can put his thumb into this window to push-up the lid. By doing this, the tear-off/tamper evident webs between the ring and the lid are also broken. The hinge is left as connection between lid and ring and prevents the ring from falling down. In an alternative embodiment the ring can be designed such that an inside part of the ring is adjusted to the tube, container or package such that it would be prevented from falling down even in the absence of a hinge.

Preferably the tear-off/tamper evident webs are located at predetermined distances, more preferred equidistant from one another. In an alternative embodiment in order to decrease or adjust the force for opening the first time the tear-off/tamper evident webs are arranged such that the more these tear-off/tamper evident webs are near to the tab, the more space there is between two of them.

In one embodiment the tab is located opposite to the hinge on the periphery of the closure. Preferably the tab does not extend beyond the external diameter of the ring, in order to assure a better efficiency on packing lines. The tab can have a width in the range from 8 to 40 mm, preferably in the range from 15 to 25 mm, and a height in the range of 2 to 20 mm, preferably in the range from 7 to 13 mm. A pictogram or a wording may be applied to the tab, indicating to the user that the tab has to be removed before opening the lid and which side of the tab to pull first.

The closure can be circular or ellipsoid. Preferably it has a height in the range from 10 to 40 mm, preferably 15 to 30 mm and a total diameter in the range from 10 to 50 mm, preferably in the range from 20 to 40 mm. The lid can contain a desiccant in a specific cavity or it can contain an attached canister with some desiccant and/or active materials in.

In one embodiment gripping parts are on the top of the lid. By means of the gripping parts the lid can be closed by pushing on the top of the closure with the index or with the thumb.

The closure is preferably of the snap-on type.

The closures according to the present invention can preferably be used on plastic or aluminium rigid tubes. If the closure is made of polymer material, then it can be fabricated by injection molding.

Also disclosed herewith is a method for opening a closure according to the present invention for the first time. Which method comprises the steps of removing the tab from the ring area such that a

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window and a lid underside appear. By applying a force onto the underside of the lid i.e. by putting the thumb into the window, the user breaks the tear-off webs between the lid and the ring and thereby opens the closure. When opening the closure the next times the user uses the same procedure without the step of removing the tab.

- 5 For closing the closure the user grabs the tube, container or package with the closure and pushes on the top of the closure with the index or with the thumb and lets the lid snap onto the ring.

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Figures and Examples

Fig. 1 shows a closure before the first opening

Fig. 2 shows a closure in open state

Fig. 3 shows a closure in closed state with tab removed

5 Fig. 1 shows a closure 1 before the first opening. The closure 1 comprises a lid 2, a tamper evident ring 3 and a tab 4. The tamper evident ring 3 and the tab 4 are connected with the lid 2 by means of the tear-off webs 7a, 7b and by a hinge 8 (shown in Fig. 2). An arrow 5 on the tab 4 is indicating for the user, that the tab 4 has to be removed before opening. In the example shown in Fig. 1 the closure (1) has a height of 22.5 mm and a diameter of 34.5 mm. The tab (4) has a width of 20 mm
10 and a height of 10 mm.

Fig. 2 shows a closure 1 in open state. The tab 4 has been removed. One part of the periphery of the tab 4 was connected through tear-off webs (not shown) with the ring 3 and the other part of the periphery of the tab 4 was connected through tear-off webs 7a to the lid 2. The tear-off webs 7a between the tab 4 and the ring 3 respectively the lid 2 have been broken. Tear-off webs 7b between
15 ring 3 and lid 2 have been broken, which were present at those parts of the periphery of the ring 3 and the lid 2, where no hinge 8 and no tear-off webs 7a are present.

Fig. 3 shows a closure 1 in closed state with tab 4 removed. A large window 9 is accessible where the tab 4 has been removed. The closure 1 can be opened by the user with only one hand by putting the thumb into the window 9 to push-up the lid 2. The lid 2 can be closed again by means
20 of the gripping parts 6 by pushing on the top of the lid 2 with the index or with the thumb.

Claims

1. Closure (1) for tube, container or package comprising:
 - a ring (3) connected to the tube, container or package; and
 - a lid (2), which is connected to the ring (3) by means of a
 - 5 - a tab (4), wherein said tab (4) is connected through tear-off/tamper evident webs (7a) with the ring (3) and the lid (2), and
 - tear-off/tamper evident webs (7b) between said ring (3) and said lid (2).
2. Closure (1) according to claim 1, wherein the lid (2) is also connected to the ring (3) by means of a hinge (8).
- 10 3. Closure (1) according to claim 1 or 2, wherein the ring is designed such that an inside part of the ring is adjusted to the tube, container or package such that it would prevent the ring from falling down after the tear-off/tamper evident webs (7a, 7b) have been broken.
4. Closure (1) according to one of the claims 1 to 3, wherein one part of the periphery of said tab (4) is connected through tear-off/tamper evident webs (7a) with the ring (3) and the
15 other part of the periphery of said tab (4) is connected through tear-off/tamper evident webs (7b) to the lid (2).
5. Closure (1) according to one of the claims 1 to 4, wherein the tear-off/tamper evident webs (7b) between said ring (3) and said lid (2) are present at those parts of the periphery of the ring (3) and the lid (2), where no tear-off/tamper evident webs (7a) to the tab (4) and, as
20 the case may be, no hinge (8) are present.
6. Closure (1) according to one of the claims 1 to 5, wherein the tear-off/tamper evident webs (7a, 7b) are located at predetermined distances from one another.
7. Closure (1) according to claim 6, wherein the tear-off/tamper evident webs (7a, 7b) are located equidistant to one another.
- 25 8. Closure (1) according to claim 6, wherein the tear-off/tamper evident webs (7a, 7b) are arranged such that the more these tear-off/tamper evident webs (7a, 7b) are near to the tab (4), the more space there is between two of them.

9. Closure (1) according to one of the claims 1 to 8, wherein the closure (1) is circular or ellipsoid.
10. Closure (1) according to claim 2, wherein the tab (4) is located opposite to the hinge (8) on the periphery of the closure (1).
- 5 11. Closure (1) according to one of the claims 1 to 10, wherein the tab (4) does not extend beyond the external diameter of the ring (3).
12. Closure (1) according to one of the claims 1 to 11, wherein the lid (2) contains a desiccant.
13. Closure (1) according to one of the claims 1 to 12, wherein the closure (1) has a height in the range from 10 to 40 mm, preferably in the range from 15 to 30 mm.
- 10 14. Closure (1) according to one of the claims 1 to 13, wherein the closure (1) has a diameter in the range from 10 to 50 mm, preferably in the range from 20 to 40 mm.
15. Closure (1) according to one of the claims 1 to 14, wherein the tab (4) has a width in the range from 8 to 40 mm, preferably in the range from 15 to 25 mm.
- 15 16. Closure (1) according to one of the claims 1 to 15, wherein the tab (4) has a height in the range from 2 to 20 mm, preferably in the range from 7 to 13 mm.
17. Closure (1) according to one of the claims 1 to 16, wherein the closure (1) is of snap-on type.
18. Closure (1) according to one of the claims 1 to 17, wherein the lid (2) has gripping parts (6) on its top side.
- 20 19. Closure (1) according to one of the claims 1 to 18, wherein the lid (2) has company logo and/or brand name and/or brand logo on its top side.
20. Closure (1) according to one of the claims 1 to 19, wherein the closure (1) is made of polymer material and fabricated by injection molding.
21. Closure (1) according to one of the claims 1 to 20, wherein a pictogram (5) or a wording is applied to the tab (4), indicating to the user that the tab (4) has to be removed before opening the lid (2) and which side to pull this tab first
- 25 22. A method for opening a closure (1) of claim 1 for the first time, comprising the steps of
- removing tab (4) such that a window (9) and a lid underside appear;

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- applying a force onto the underside of the lid (2) thereby breaking the tear-off/tamper evident webs (7b) between the lid (2) and the ring (3); and
- opening the closure (1).

23. A method for opening a closure (1) of claim 1 comprising the steps of

- 5
- putting a thumb into the window (9) in the ring (3) area of the closure (1);
 - applying a force onto the underside of the lid (2) thereby breaking the tear-off/tamper evident webs (7b) between the lid (2) and the ring (3); and
 - opening the closure (1).

24. A method of claim 22 or 23, wherein the force is applied to the underside of the lid (2) by
10 putting a thumb into the window (9) in the ring (3) area of the closure (1).

25. A method for closing the closure (1) of claim 1, comprising the steps of

- grabbing a tube, container or package with the closure (1);
- pushing on the top of the closure (1) with the index or with the thumb; and
- let the lid (2) snap onto the ring (3).

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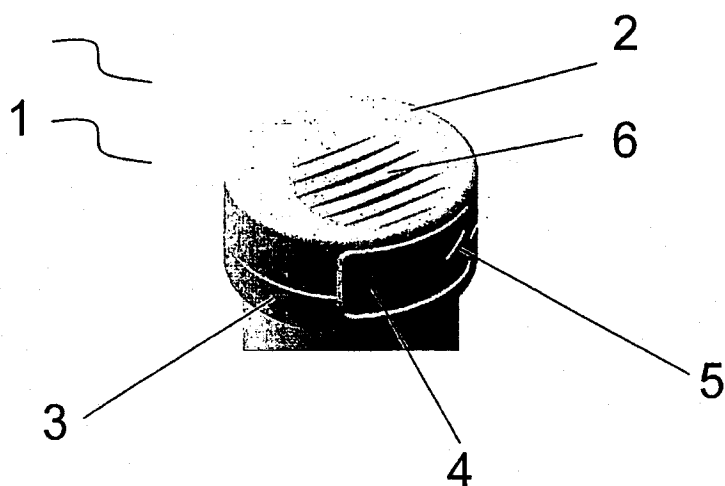


Fig. 1

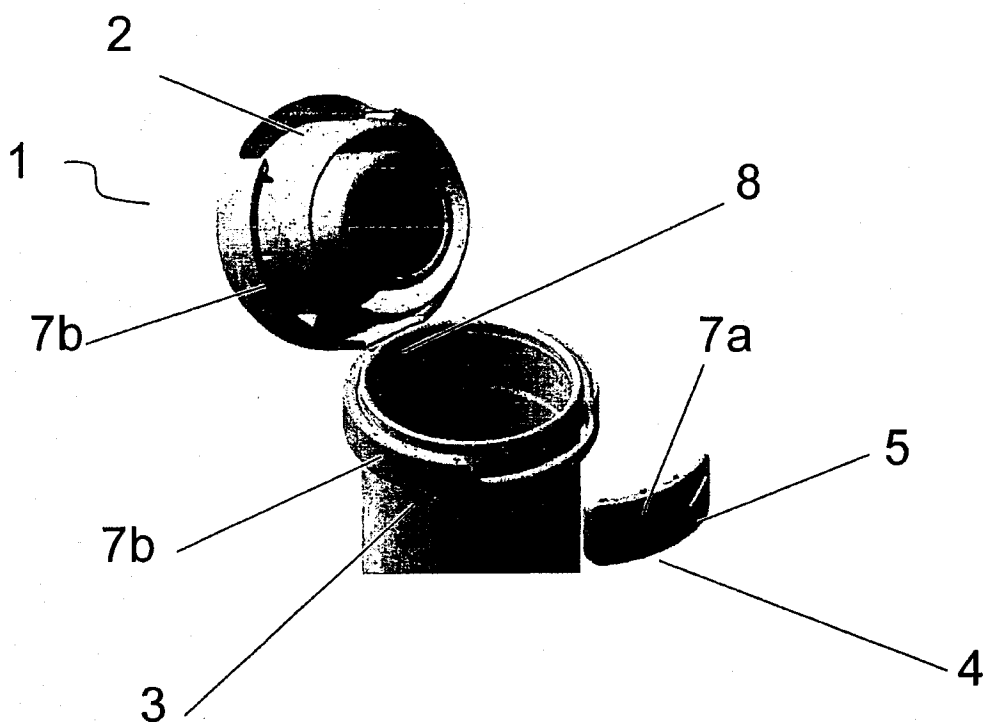


Fig. 2

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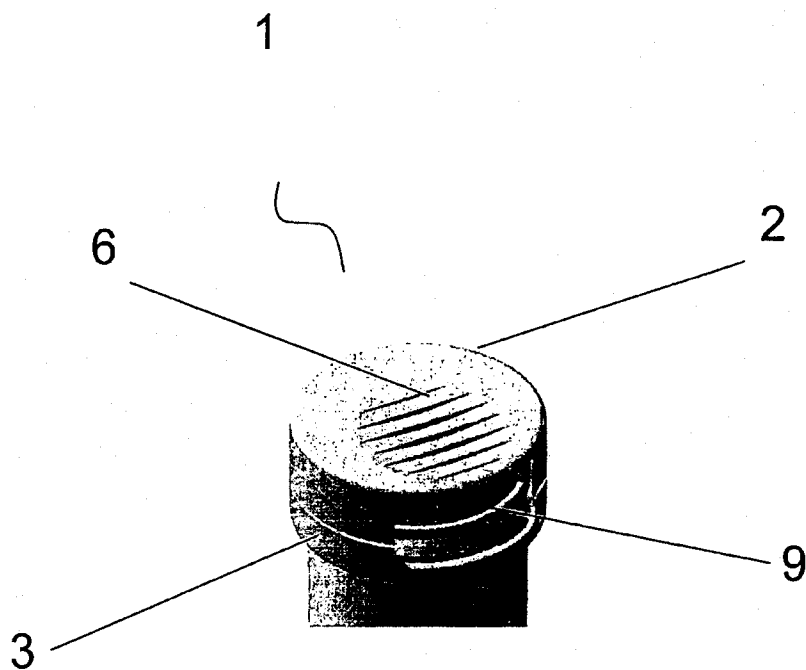


Fig. 3

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2006/010841

A. CLASSIFICATION OF SUBJECT MATTER
INV. B65D47/08

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)
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.
X	JP 2004 175436 A (CROWN CORK JAPAN) 24 June 2004 (2004-06-24) cited in the application	25
A	abstract; figure 1	1,22,23
A	US 2004/256347 A1 (DRUITT RODNEY MALCOLM [GB] ET AL) 23 December 2004 (2004-12-23) paragraph [0102]; figure 1	1,22,23, 25
A	US 2005/017007 A1 (SELLARI ROBERT [US] ET AL) 27 January 2005 (2005-01-27) paragraph [0050]; figure 8	1,22,23, 25
A	FR 2 707 958 A1 (KERPLAS SNC [FR]) 27 January 1995 (1995-01-27) cited in the application figures 1-10	1,22,23, 25
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

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- *E* earlier document but published on or after the international filing date
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- *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

28 February 2007

Date of mailing of the international search report

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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2006/010841

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 0 202 506 A2 (SANNER FRIEDR GMBH CO KG [DE]) 26 November 1986 (1986-11-26) cited in the application figure 1 -----	1, 22, 23, 25

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2006/010841

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 2004175436 A	24-06-2004	NONE	
US 2004256347 A1	23-12-2004	NONE	
US 2005017007 A1	27-01-2005	US 2005184070 A1	25-08-2005
FR 2707958 A1	27-01-1995	NONE	
EP 0202506 A2	26-11-1986	CA 1285524 C DE 3685054 D1 US 4899897 A	02-07-1991 04-06-1992 13-02-1990

CIERRE DE GARANTÍA

La invención se refiere a un cierre de garantía para un tubo, recipiente o envase.

- 5 Desde hace tiempo se conocen cierres de garantía de varios tipos. Los cierres de garantía conocidos pueden comprender un anillo de garantía. Los cierres de garantía con anillos de garantía se usan para botellas y otros recipientes con cierres que generalmente tienen un diámetro que no excede de 5 a 6 cm, como botellas o tubos para comprimidos. Por ejemplo, el documento
- 10 EP0202506B1 describe un recipiente con un cierre que comprende un anillo de garantía.

- Los cierres de garantía conocidos en el estado de la técnica pueden comprender alternativamente una lengüeta de garantía, que está en un lateral del cierre, conectada a la tapa y al cuerpo de un tubo, recipiente o envase por
- 15 medio de tiras de garantía/rasgables, y que se debe quitar antes de abrir el cierre. Las lengüetas de garantía a menudo se usan para envases en forma de copa hechos de plásticos con una tapa y que tienen un diámetro grande (más de 5 a 6 cm) comparado con, por ejemplo, los cierres de botellas. Asimismo, se conoce el uso de lengüetas de garantía en tubos, como se describe en los
- 20 documentos FR2707958 y JP2004175436. Las lengüetas de garantía tienen las ventajas de que, en primer lugar, resulta más obvio para el consumidor reconocer si se ha roto o manipulado el cierre de garantía que con el anillo de garantía y en segundo lugar que resulta más sencillo arrancar una lengüeta que romper un anillo.

- 25 Los dispositivos del estado de la técnica tienen un anillo de garantía o

una lengüeta de garantía. Si se ha quitado una lengüeta de garantía no es evidente si realmente se ha abierto el tubo, recipiente o envase. El consumidor puede desechar innecesariamente un tubo, recipiente o envase porque se haya quitado la lengüeta por algún motivo, aunque no se haya abierto realmente el tubo, recipiente o envase. Por otro lado, si tiene un anillo de garantía, el consumidor puede no darse cuenta de que se haya abierto el tubo, recipiente o envase.

Asimismo, un inconveniente de los anillos de garantía es que en los dispositivos del estado de la técnica el anillo de garantía se cae cuando se rompen las tiras de garantía/rasgables que conectan el anillo con el cierre.

Por lo tanto, el problema que se debe resolver es proporcionar un cierre que ponga sobre aviso al consumidor de que se ha manipulado el tubo, recipiente o envase, pero que evite que el consumidor deseche innecesariamente los tubos, recipientes o envases que en realidad no se han abierto.

Este problema se resuelve con un cierre para un tubo, recipiente o envase con un anillo conectado al tubo y una tapa, que está acoplada al anillo por medio de una bisagra, de una lengüeta y de tiras de garantía/rasgables entre dicho anillo y dicha tapa. La lengüeta está acoplada al anillo y a la tapa por medio de tiras de garantía/rasgables.

Antes de abrir el tubo por primera vez, el anillo de garantía y la lengüeta están conectados con la tapa por medio de las tiras de garantía/rasgables y por una bisagra. Para abrir el tubo por primera vez, primero es necesario quitar la lengüeta, que rompe las tiras de garantía/rasgables entre la lengüeta y el anillo y respectivamente la tapa. Donde se ha quitado la lengüeta aparece una gran

"ventana". El consumidor puede introducir su pulgar en dicha ventana para levantar la tapa. Haciendo esto, también se rompen las tiras de garantía/rasgables entre el anillo y la tapa. La bisagra se deja como conexión entre la tapa y el anillo y evita que el anillo se caiga. En una forma de
5 realización alternativa, el anillo se puede diseñar de tal manera que una parte interior del anillo esté ajustada al tubo, recipiente o envase, de tal manera que evitaría que se cayera incluso si no hubiera una bisagra.

Preferentemente, las tiras de garantía/rasgables están situadas a distancias predeterminadas, más preferentemente, equidistantes entre sí. En
10 una forma de realización alternativa, a fin de reducir o ajustar la fuerza para la primera apertura, las tiras de garantía/rasgables están dispuestas de tal manera que cuanto más cerca de la lengüeta están las tiras de garantía/rasgables, mas espacio hay entre dos de ellas.

En una forma de realización, la lengüeta está situada opuesta a la
15 bisagra en el contorno del cierre. Preferentemente, la lengüeta no sobresale del diámetro externo del anillo, para garantizar un mayor rendimiento de las cadenas de envasado. La lengüeta puede tener una anchura en el intervalo de 8 a 40 mm, preferentemente, en el intervalo de 15 a 25 mm, y una altura en el intervalo de 2 a 20 mm, preferentemente, en el intervalo de 7 a 13 mm. Se
20 puede aplicar a la lengüeta un pictograma o un texto que indique al usuario que se debe quitar la lengüeta antes de abrir la tapa y de qué lateral de la lengüeta tirar primero.

El cierre puede ser circular o elipsoide. Preferentemente, tiene una altura en el intervalo de 10 a 40 mm, preferentemente, de 15 a 30 mm y un diámetro
25 total en el intervalo de 10 a 50 mm, preferentemente, en el intervalo de 20 a 40

mm. La tapa puede contener un desecante en una cavidad específica o puede contener un contenedor acoplado con algo de desecante y/o materiales activos en su interior.

En una forma de realización, las partes de sujeción están en la parte superior de la tapa. Por medio de las partes de sujeción se puede cerrar la tapa presionando en la parte superior del cierre con el índice o con el pulgar.

Preferentemente, el cierre es de tipo a presión.

Los cierres según la presente invención se pueden usar, preferentemente, en tubos rígidos de plástico o aluminio. Si el cierre está hecho de material polimérico, entonces se puede fabricar mediante moldeo por inyección.

Asimismo, con el presente documento se describe un procedimiento para abrir por primera vez un cierre según la presente invención. Este procedimiento comprende las etapas de quitar la lengüeta de la zona de anillo, de tal manera que en la parte inferior aparece una ventana y una tapa. Aplicando una fuerza sobre la parte inferior de la tapa, es decir, introduciendo el pulgar en la ventana, el usuario rompe las tiras rasgables entre la tapa y el anillo y de este modo abre el cierre. Al abrir el cierre las veces siguientes el usuario usa el mismo procedimiento sin la etapa de quitar la lengüeta.

Para cerrar el cierre el usuario toma el tubo, recipiente o envase con el cierre y presiona sobre la parte superior del cierre con el índice o con el pulgar y deja que la tapa encaje a presión sobre el anillo.

Figuras y ejemplos

Fig. 1 muestra un cierre antes de la primera apertura

25 Fig. 2 muestra un cierre en estado abierto

Fig. 3 muestra un cierre en estado cerrado con la lengüeta quitada.

La Fig. 1 muestra un cierre 1 antes de la primera apertura 1. El cierre 1 comprende una tapa 2, un anillo de garantía 3 y una lengüeta 4. El anillo de garantía 3 y la lengüeta 4 están conectados con la tapa 2 por medio de las tiras rasgables 7a, 7b y por una bisagra 8 (mostrada en la Fig. 2). Una flecha 5 sobre la lengüeta 4 indica al usuario que se debe quitar la lengüeta 4 antes de abrir. En el ejemplo mostrado en la Fig. 1, el cierre (1) tiene una altura de 22,5 mm y un diámetro de 34,5 mm. La lengüeta (4) tiene una anchura de 20 mm y una altura de 10 mm.

La Fig. 2 muestra un cierre 1 en estado abierto. Se ha quitado la lengüeta 4. Una parte del contorno de la lengüeta 4 estaba conectada por medio de tiras rasgables (no se muestran) con el anillo 3 y la otra parte del contorno de la lengüeta 4 estaba conectada por medio de tiras rasgables 7a a la tapa 2. Las tiras rasgables 7a entre la lengüeta 4 y el anillo 3 y respectivamente la tapa 2 se han roto. Se han roto las tiras rasgables 7b entre el anillo 3 y la tapa 2 que estaban presentes en esas partes del contorno del anillo 3 y la tapa 2 en las que no están presentes ni bisagra 8 ni tiras rasgables 7a.

La Fig. 3 muestra un cierre 1 en estado cerrado con la lengüeta 4 quitada. Donde se ha quitado la lengüeta 4 está accesible una gran ventana 9. El usuario puede abrir el cierre 1 sólo con una mano introduciendo el pulgar en la ventana 9 para levantar la tapa 2. La tapa 2 se puede volver a cerrar por medio de las partes de sujeción 6 empujando en la parte superior de la tapa 2 con el índice o con el pulgar.

Habiendo descrito la invención como antecede, se declara como propiedad lo contenido en las siguientes:

REIVINDICACIONES

- 5 1. Cierre (1) para tubo, recipiente o envase, que comprende:
un anillo (3) conectado al tubo, recipiente o envase, y
una tapa (2) que está conectada al anillo (3) por medio de
- una lengüeta (4), estando dicha lengüeta (4) conectada por medio de tiras de garantía/rasgables (7a) con el anillo (3) y la tapa (2), y
 - 10 - tiras de garantía/rasgables (7b) entre dicho anillo (3) y dicha tapa (2).
2. Cierre (1) según la reivindicación 1, en el que la tapa (2) también está conectada al anillo (3) por medio de una bisagra (8).
- 15 3. Cierre (1) según la reivindicación 1 ó 2, en el que el anillo está diseñado de tal manera que una parte interior del anillo está ajustada al tubo, recipiente o envase de tal manera que evita que el anillo se caiga una vez rotas las tiras de garantía/rasgables (7a, 7b).
- 20 4. Cierre (1) según una de las reivindicaciones 1 a 3, en el que una parte del contorno de dicha lengüeta (4) está conectada por medio de tiras de garantía/rasgables (7a) con el anillo (3) y la otra parte del contorno de dicha lengüeta (4) está conectada por medio de tiras de garantía/rasgables (7b) a la
- 25 tapa (2).

5. Cierre (1) según una de las reivindicaciones 1 a 4, en el que las tiras de garantía/rasgables (7b) entre dicho anillo (3) y dicha tapa (2) están presentes en esas partes del contorno del anillo (3) y de la tapa (2) cuando no están presentes ni tiras de garantía/rasgables (7a) para la lengüeta (4) ni, según sea el caso, bisagra (8).
6. Cierre (1) según una de las reivindicaciones 1 a 5, en el que las tiras de garantía/rasgables (7a, 7b) están situadas a distancias predeterminadas entre sí.
7. Cierre (1) según la reivindicación 6, en el que las tiras de garantía/rasgables (7a, 7b) están situadas equidistantes entre sí.
8. Cierre (1) según la reivindicación 6, en el que las tiras de garantía/rasgables (7a, 7b) están dispuestas de tal manera que cuanto más cerca de la lengüeta (4) están las tiras de garantía/rasgables (7a, 7b), más espacio hay entre dos de ellas.
9. Cierre (1) según una de las reivindicaciones 1 a 8, siendo el cierre (1) circular o elipsoide.
10. Cierre (1) según la reivindicación 2, en el que la lengüeta (4) está situada opuesta a la bisagra (8) en el contorno del cierre (1).

11. Cierre (1) según una de las reivindicaciones 1 a 10, en el que la lengüeta (4) no sobresale del diámetro externo del anillo (3).

12. Cierre (1) según una de las reivindicaciones 1 a 11, en el que la tapa (2)
 5 contiene un deseccante.

13. Cierre (1) según una de las reivindicaciones 1 a 12, en el que el cierre (1) tiene una altura en el intervalo de 10 a 40 mm, preferentemente, en el intervalo de 15 a 30 mm. No!

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14. Cierre (1) según una de las reivindicaciones 1 a 13, en el que el cierre (1) tiene un diámetro en el intervalo de 10 a 50 mm, preferentemente, en el intervalo de 20 a 40 mm. No!

15. 15. Cierre (1) según una de las reivindicaciones 1 a 14, en el que la lengüeta (4) tiene una anchura en el intervalo de 8 a 40 mm, preferentemente, en el intervalo de 15 a 25 mm. No!

16. 20 Cierre (1) según una de las reivindicaciones 1 a 15, en el que la lengüeta (4) tiene una altura en el intervalo de 2 a 20 mm, preferentemente, en el intervalo de 7 a 13 mm. No!

17. Cierre (1) según una de las reivindicaciones 1 a 16, en el que el cierre (1) es de tipo a presión.

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18. Cierre (1) según una de las reivindicaciones 1 a 17, en el que la tapa (2) tiene partes de sujeción (6) en su parte superior.

19. Cierre (1) según una de las reivindicaciones 1 a 18, en el que la tapa (2) tiene un logo de la empresa y/o nombre de marca y/o logo de marca en su parte superior.

20. Cierre (1) según una de las reivindicaciones 1 a 19, estando el cierre (1) hecho de material polimérico y fabricado mediante moldeo por inyección.

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21. Cierre (1) según una de las reivindicaciones 1 a 20, en el que está aplicado en la lengüeta (4) un pictograma (5) o un texto que indican al usuario que hay que quitar la lengüeta (4) antes de abrir la tapa (2) y de qué lateral de dicha lengüeta tirar primero.

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22. Un procedimiento para abrir un cierre (1) de la reivindicación 1 por primera vez, que comprende las etapas de

- quitar la lengüeta (4) de tal manera que en la parte inferior aparece una ventana (9) y una tapa;
- 20 - aplicar una fuerza sobre la parte inferior de la tapa (2) para, de ese modo, romper las tiras de garantía/rasgables (7b) entre la tapa (2) y el anillo (3); y
- abrir el cierre (1).

25 23. Un procedimiento para abrir un cierre (1) de la reivindicación 1 que

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comprende las etapas de

- introducir un pulgar en la ventana (9) de la zona de anillo (3) del cierre (1),
- aplicar una fuerza en la parte inferior de la tapa (2) para, de ese modo, romper las tiras de garantía/rasgables (7b) entre la tapa (2) y el anillo (3); y
- abrir el cierre (1).

24. Un procedimiento según la reivindicación 22 ó 23, en el que la fuerza se aplica a la parte inferior de la tapa (2) introduciendo un pulgar en la ventana (9) en la zona de anillo (3) del cierre (1).

25. Un procedimiento para cerrar el cierre (1) de la reivindicación 1, que comprende las etapas de

- tomar un tubo, recipiente o envase con el cierre (1);
- presionar sobre la parte superior del cierre (1) con el índice o con el pulgar; y
- dejar que la tapa (2) encaje a presión en el anillo (3)

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CIERRE DE GARANTÍA

RESUMEN

- 5 Cierre para tubo de comprimidos que comprende un anillo conectado al tubo, una tapa, que está conectada al anillo por medio de una lengüeta, estando dicha lengüeta conectada por medio de tiras de garantía/rasgables con el anillo y la tapa, y tiras de garantía/rasgables entre dicho anillo y dicha tapa.

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- 1/2 -

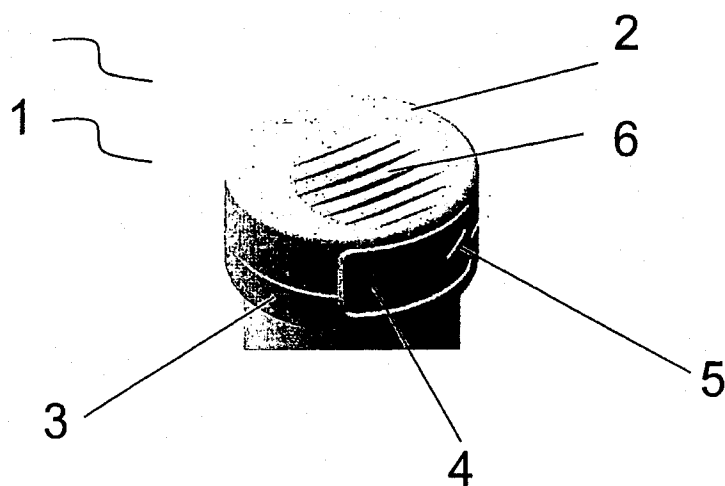


Fig. 1

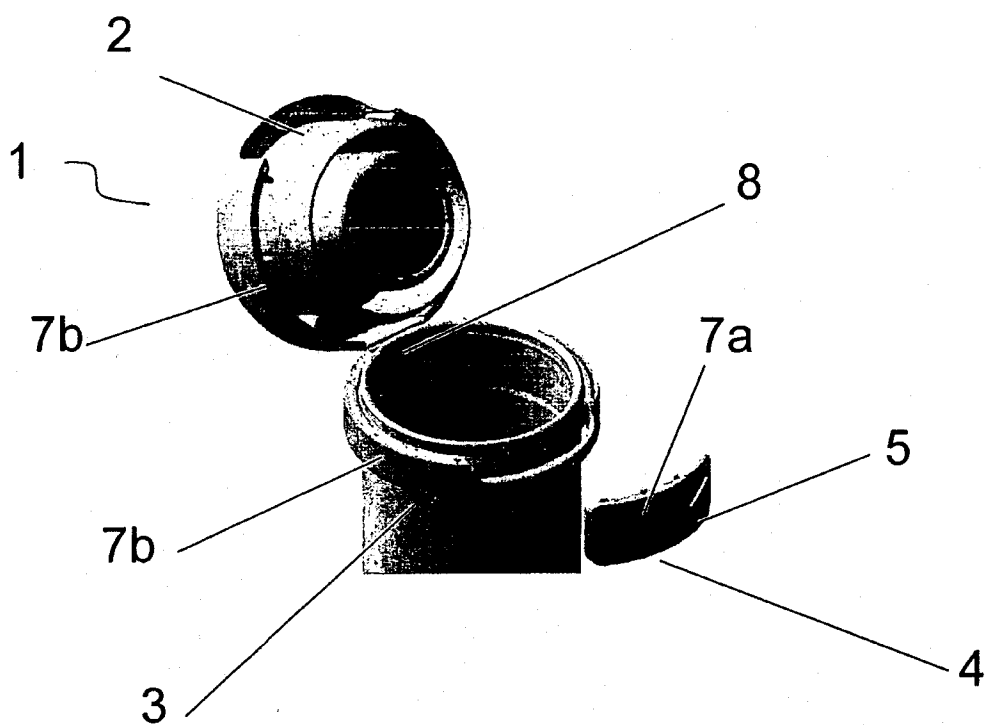


Fig. 2

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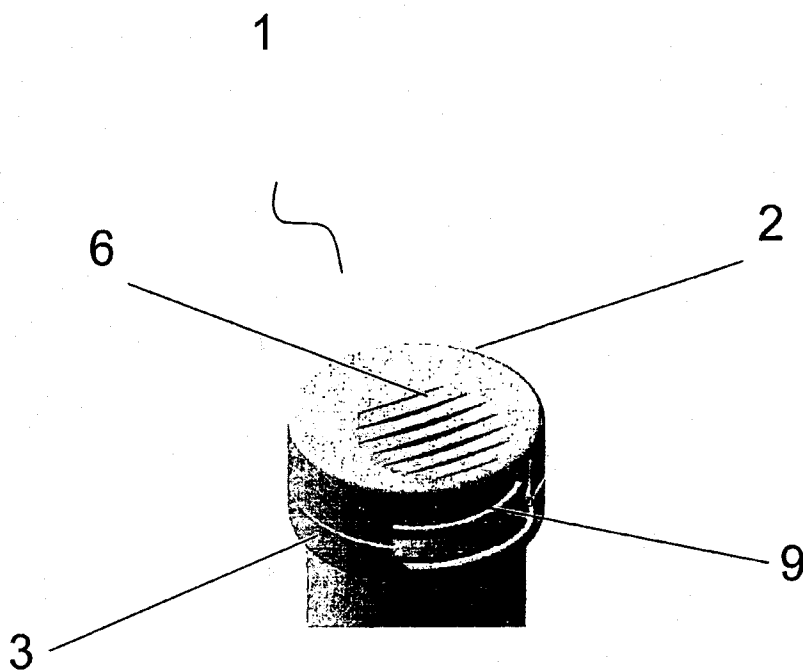


Fig. 3

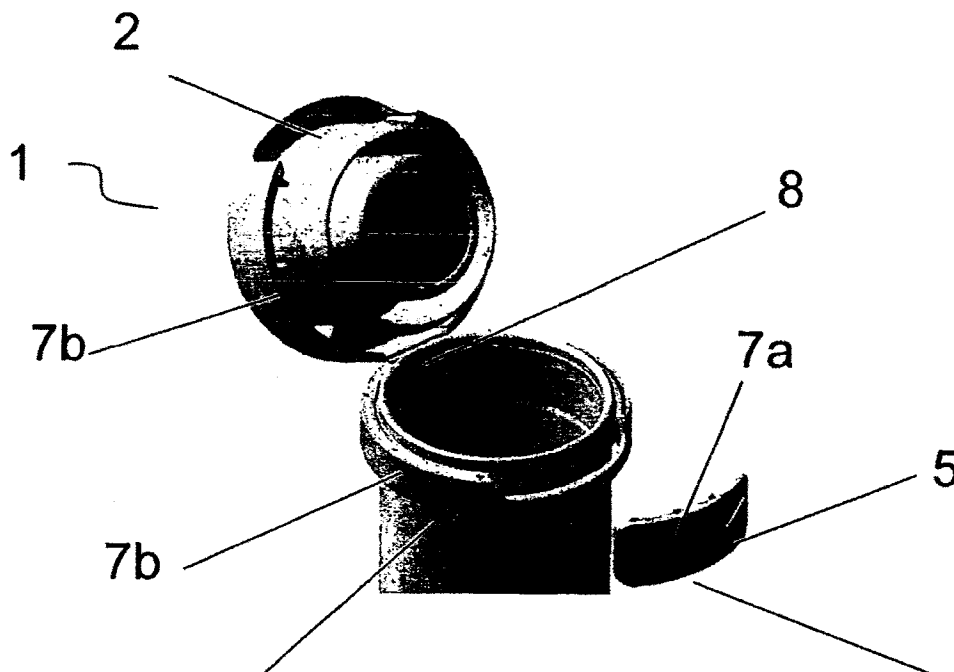
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 Industria y Comercio SUPERINTENDENCIA		SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO DIVISION DE NUEVAS CREACIONES EXTRACTO PARA PUBLICACIÓN SOLICITUD DE PATENTE DE INVENCION	
(21) N° de solicitud: 22) Fecha de solicitud:		(51) Int Cl: (71) Solicitante(s) BAYER CONSUMER CARE AG	
(30) Prioridad	(31) No. Prioridad 05292423.0	(32) Fecha 15/11/05	(33) Pais EP
(72) Inventor(es) FILY, Sébastien, Lucien; MORLEY, William, Leonard; SEBILLE, Vincent; RAULT, Stéphane		(74) Apoderado: JAIME EDUARDO DELGADO VILLEGAS	
(85) Fecha límite inicio fase nacional: 15/06/2008 Datos relativos a la presentación de la solicitud PCT Fecha de presentación de la solicitud: 13-11 -06 No. de solicitud PCT/EP2006/ 010841		(87) Publicación Internacional Fecha: 18-05- 07 Fecha (dd/mm/aa) N° publicación: WO2007/ 057133 A1	
(54) Título:		CIERRE DE GARANTÍA	

Resumen:

Cierre (1) para tubo, recipiente o envase, que comprende:

- un anillo (3) conectado al tubo, recipiente o envase, y
- una tapa (2) que está conectada al anillo (3) por medio de
 - una lengüeta (4), estando dicha lengüeta (4) conectada por medio de tiras de garantía/rasgables (7a) con el anillo (3) y la tapa (2), y
 - tiras de garantía/rasgables (7b) entre dicho anillo (3) y dicha tapa (2).



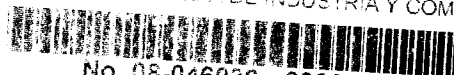
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Este recibo debe ser utilizado
Unicamente para tramites de
Mario Delgado Echeverry e Hijos Ltda.
Marca: PCT/EP2006/010841
NIT: 800176089-2
Expediente:

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

RECIBO OFICIAL DE CAJA : 08 - 36,020
FECHA : MAYO 7 DE 2008

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO



No. 08-046036-00000-0000

Fecha: 2008-05-07 15:53:19 Dep. 2020 NUECREACIONE
Tra. 11 PATENTE(Y) Eve: 378 FASENACIONAL
Act. 411 PRESENTACION Folios: 49

***** CONSIGNACION *****

DEPOSITANTE	TIPO PAGO	BANCO	CUENTA	No. PAGO	FECHA PAGO	Vr. PAGO
MARIO DELGADO ECHEVERRY	CONSIGNACION	BANCO DE BOGOTA	062754387	3171346	07/05/2008	12,641,000.00

***** CONCEPTO *****

CANT.	RENTISTICO	CONCEPTO	TOTAL CONCEPTO
1	50005-01-01	SOLICITUDES	
1		TRAMITES DE SOL. DE PATENTE DE IN	501,000.00
		TOTAL :	\$ 501,000.00

SON: QUINIENTOS UN MIL PESOS

RESPONSABLE : _____

RECIBO DE CAJA APLICADO AL EXPEDIENTE No. _____

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48

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO



No. 08-046036- -00000-0000

Fecha: 2008-05-07 15:53:19 Dep. 2020 NUECREACIONE
Tra. 11 PATENTEIYII Eve: 378 FASENACIONALI
Act. 411 PRESENTACION Folios: 49



Industria y Comercio
SUPERINTENDENCIA

REQUISITOS MINIMOS PARA ADMISION A TRAMITE PCT

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 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 y fotográfica del Diseño Industrial o muestra del material que incorpora el diseño ☐
- ◆ Comprobante de pago de las tasas establecidas ☐

COMPLETA

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INCOMPLETA

☐

ESQUEMA DE TRAZADO

☐

- ◆ Indicación de que se 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 trazado ☐
- ◆ Comprobante de pago de las tasas establecidas ☐

COMPLETA

☐

INCOMPLETA

☐

SIR

Firma Responsable

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REPUBLICA DE COLOMBIA
SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

Bogotá,
2020

Doctor(a)
DELGADO VILLEGAS JAIME EDUARDO

REFERENCIA	Radicación No.	8 46036
	Solicitud internacional	PCT/EP2006/010841
	Fecha inicio fase nacional	15/06/2008
	Trámite	11
	Evento	378
	Actuación	430
	Oficio No.	8308

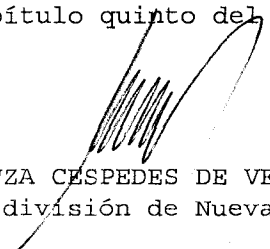
Como resultado del examen de forma, realizado con fundamento en el artículo 38 de la Decisión 486 de la Comisión de la Comunidad Andina, artículo 27 del Tratado de Cooperación en Materia de Patentes (PCT), regla 51 bis del Reglamento y Circular Única de la Superintendencia de Industria y Comercio, se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

2. La solicitud no contiene el poder debidamente otorgado, con el lleno de los requisitos exigidos por los artículos 63 y subsiguientes del Código de Procedimiento Civil. Adicionalmente, deberá presentar el documento que acredita la existencia y representación legal de la sociedad solicitante, cuando ésta fuere persona jurídica.

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 27 JUN 2008
jfernand