

Diego Gonzalez Castillo

1) Family number: 17153289 (ES1017529Y)

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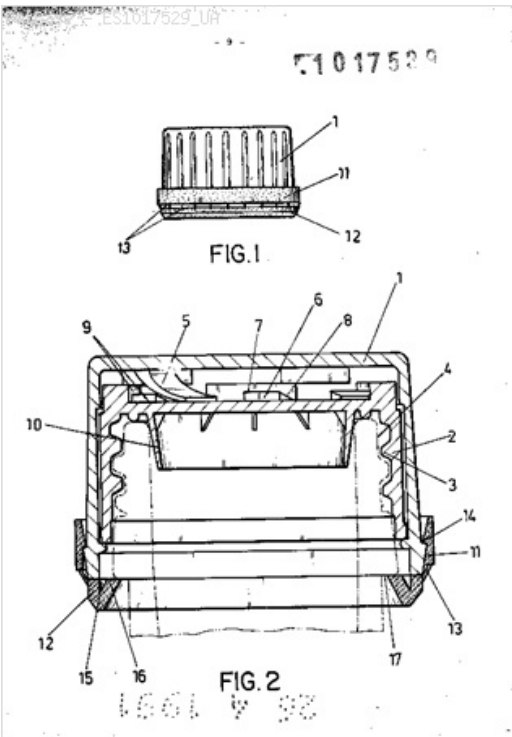
Title: TAPON DE SEGURIDAD CON PRECINTO DE GARANTIA.

Abstract: Safety plug with precinct of guarantee, which is of the type of those that include two bodies (1 and 2), the inside of which is equipped with thread fillet (3) for its coupling to the packaging of the packaging (4), in whether the outer has flexible fins (5) in its fund, susceptible to touch or slide, according to the sense of turnover, on a highlights (6) provided for in the internal body (2), to carry out the closure or prevent opening, and also counting with supaltes and complementary almights (9) in both bodies (1 and 2) to possible their location and allow the corresponding opening, incorporating the plug in addition to a precinct of warranty formed by a ring (11)) and a ring (12) linked between by tearing points (13), is essentially characterized because the ring (11) of the seal is mounted on the external surface of the body (1) of the plug, retaining in this through an internal scaling (14) of that ring (11) that hacetope in an external scaling of the own body (1) of the plug, having provided that the aro (12) present a configuration preferably in "V" determining an internal and flexible wing (16) that makes stopping against the scale (17) with which canceled the bottom of the own trolley (4) of the packaging in which the tapon assembly is coupled. (Machine-translation by Google Translate, not legally binding)

Classifications:

International (IPC 8-9): B65D51/18 (Advanced/Invention);
B65D51/18 (Core/Invention)

International (IPC 1-7): B65D51/18



Family:

Publication number	Publication date	Application number	Application date
ES1017529 UA	19920101	ES19910001286U	19910426
ES1017529 Y1	19921116	ES19910001286U	19910426
ES1017529 YA	19921116	ES19910001286U	19910426

Priority:

ES19910001286U 19910426

Probable Assignee: GERPLAST S A

Assignee(s): (std): GERPLAST S A

Assignee(s): GERPLAST SA

Inventor(s): (std): MORON TRILLO FIGUEROA JOSE MANUEL

2) Family number: 21517933 (FR1436748A)

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Title: DISPOSITIF DE BOUCHAGE AVEC BOUCHON EN MATIERE PLASTIQUE, PERMETTANT LE REBOUCHAGE ETANCHE AVEC VERROUILLAGE ET MUNI D'UNE BAGUE DE GARANTIE DECHIRABLE CLOSURE DEVICE WITH CAP PLASTIC, FOR THE FILLING AND SEALED WITH LOCK RING WITH A WARRANTY TEARABLE (Machine translation)

Abstract: Source: FR1436748A [FR] [Source: Claim 1] **ATTENTION** debut du champ CLMS peut contenir fin de DESC **.

tandis qu'entre deux barrettes 8 eon-eeutives se trouve formee une fente entre le chapeau 1-2 du bouchon et la bague de garantie 7. La bague de garantie 7 porte interieurement, venue de moulage, une dentelure 9 formant rochet, c'est-a-dire a dents de profil triangulaire qui presentent en avant, dans le sens de la fleche de la figure 3, une grande face oblique 10 peu inclinee par rapport a une direction tangentielle et en arriere une petite face 11 dans une direction approximativement radiale. Le bouchon decrit ci-dessus est destine a cooperer avec un embout 12 a tubulure de versage 13 solidaire du recipient sur lequel cet embout peut tre monte grace a une structure speciale de sa base cooperant avec la paroi de l'orifice du recipient. Les formes particulieres de la base de l'embout et de la paroi du recipient peuvent varier suivant les matieres constitutives du recipient et de l'embout et elles ne font d'ailleurs pas partie de l'invention, de sorte qu'il n'est pas necessaire de les decrire et on indiquera seulement, pour faciliter la lecture du dessin, qu'on a suppose dans l'exemple represente que la base de l'embout comportait deux jupes annulaires 1 la15 destinees a se monter de part et d'autre de la paroi tubulaire du col du reeipient. La surface interne de la tubulure de versage 13 a une forme eorrespondant a celle de la surface externe de la jupe 6 pour s'appliquer contre elle de facon etanche quand le bouchon est mis en place initialement, ainsi qu'apres rebouehage. L'embout 12 porte exterieurement, dans une zone annulaire, des evidements horizontaux 16 communiquant avec les bases d'evidements verticaux 17 qui eorrespondent aux bossages 5. Au-dessous des evidements 16, l'embout 12 porte exterieurement des nervures verticales saillantes 18 jouant le role d'un cliquetage pour la dentelure interieure 9 de la bague de garantie. Le fonctionnement du dispositif se comprend immediatement d'apres la description qui precede et il suffira de le resumer brievement. Pour le bouchage initial du recipient rempli, le bouchon se monte a baionnette sur l'embout par un mouvement descendant, puis par rotation d'un certain angle, dans le sens de la fleche de la figure 3 pour l'engagement des bossages de verrouillage 5 du bouchon dans les evidements 17 et 16 de l'embout. La jupe 6 vient alors en contact serre etanche avec la surface interne de la tubulure 13 et, lors de la rotation du bouchon, les dents de la dentelure 9 franchissent elastiquement les nervures verticales 18 sans tre retenues par elles, de sorte que la bague de garantie tourne avec le corps du bouchon. Si l'embout est rapporte sur l'orifice du recipient, l'ensemble du bouchon et de l'embout peut tre assemble au prealable, avant montage de l'embout ur le recipient, cet ensemble etant ensuite monte sur le recipient au moment de son bouchage initial. Pour ouvrir le bouchon, il faut d'abord le faire tourner dans le sens inverse de la fleche de la figure.. de sorte que les faces radiales 11 ou certaines d'entre elles viennent buter contre les nervures 18 qui immobilisent la bague de garantie 7. Il en resulte que le mouvement de rotation d'ouverture provoque la rupture des barrettes 8 et que la bague de garantie 7 se separe completement et definitivement du bouchon. Quand les saillies de verrouillage 5 sont parvenues en regard des evidements verticaux 17, le bouchon s'enleve par soulevement et le recipient est ouvert en permettant l'utilisation d'une partie de son contenu. Pour le rebouchage. on opere exactement comme pour le bouchage initial, la seule difference etant que le bouchon a perdu sa bague de garantie 7. Lors de ce rebouchage, la tubulure de versage 13 de l'embout etablit encore un joint etanche avec la jupe 6 et les bossages 5 se verrouillent comme on l'a explique, en emphanant un enlevement accidentel ou non desire du bouchon. On comprendra qu'il n'est pas necessaire que le nombre des nervures 18 soit le mme que celui des dents de la dentelure 9. En particulier le nombre des nervures 18 peut tre bien plus petit que le nombre des dents de la dentelure 9. La bague de garantie 7 peut tre prolongee vers le bas de place en place par des languettes qui permettent le maintien a la main de la bague de garantie et de l'embout lors de la manoeuvre de debouchage initial. Les details de structure de l'exemple represente n'ont aueun caractere limitatif et, par exemple, le nombre des barrettes 8 peut tre different et il en est de mme pour les formes et dimensions du boi:chon et de sa bague de garantie 7. RESUME 10 Dispositif pour le bouchage de l'orifice d'un recipient caracterise par un bouchon en matiere plastique coiffant au moins une partie d'un embout de l'orifice a boucher et muni a sa base d'une bague de garantie qui est reliee au corps du bouchon par des minces barrettes dechirables et qui porte sur sa surface interne une dentelure formant rochet pour cooperer avec des nervures d'enclique. tage de l'embout destinees a s'opposer a la rotation de la bague de garantie dans un sens, en combinaison avec un verrouillage mecanique du bouchon par rotation, a baionnette ou a vis, de telle sorte que l'ouverture du bouchon provoque la rupture des barrettes et la reparation de la bague de garantie. 20 Dispositif selon 1, dont le bouchon porte interieurement une jupe a surface externe cylindrique ou legerement tronconique destinee a s'appli quer de facon etanche a l'interieur d'une tubulure de versage correspondante de l'embout en position de fermeture. 3 Dispositif selon 1, dans lequel la bague de garantie est prolongee vers le bas en place par des languettes facilitant l'immobilisation de la bague et de l'embout lors de la premiere ouverture du bouchon.

Machine translation: [Source: Claim 1] ** WARNING ** start of CLMS field may contain end of DESC **. while between two strips 8-eon eeutives is formed with a gap between the cap and the cap 1-2 tamper ring 7. The guarantee ring 7 carries internally, by molding, a serrated ratchet 9 that is to say, a triangular tooth profile that present forward, in the direction of the arrow in Figure 3, a large oblique face 10 slightly inclined relative to a tangential direction and a small rear face 11 in an approximately radial direction. The plug described above is intended to cooperate with a tip 12 a pouring nozzle 13 secured to the container on which the cap can be mounted thanks to a special structure of its base cooperating with the wall of the hole in the container. Particular forms of the base of the nozzle and the vessel wall may vary according to the constituent materials of the container and the mouthpiece and they also are not part of the invention, so that n 'is not necessary to describe the show and only to facilitate the reading of the drawing, which has been assumed in the example that represents the base of the tip included two annular skirts 1 LA15 has destinies be mounted on either of other of the tubular wall of the neck reeipient. The inner surface of the tubing 13 has a pouring eorrespondant shape to that of the outer surface of the skirt 6 to be applied against it of sealed manner when the cap is initially set up, as well as after rebouehage. The tip 12 carries externally. in an annular region, horizontal recesses 16 communicating with the bases of vertical recesses 17 which eorrespondent to the bumps 5. Below the recesses 16, the tip 12 has externally projecting vertical ribs 18 acting as a ratchet to the inner toothing 9 of the guarantee ring. Operation of the device is understood immediately after the description of the foregoing and it is sufficient to briefly summarize le. For the initial sealing of the container filled, the cap is mounted a bayonet on the tip by movement descendant, then by rotation through a certain angle in the direction of the arrow of Figure 3 for engagement of the locking bosses 5 of the plug into the recesses 17 and 16 of the tip. The skirt 6 then comes into contact greenhouse sealed with the inner surface of the tubing 13 and, upon rotation of the cap, the teeth of the serration 9 cross elastically vertical ribs 18 without being retained by each other, so that the ring guarantee rotates with the body of the stopper. If the nozzle is related to the orifice of the container, the entire cap and the nozzle can be assembled beforehand, before mounting of the nozzle core the container, this assembly then being mounted on the container at the time of its initial plugging. To open the cap, must first rotate in the opposite direction of the arrow in Figure.. so that the radial faces 11 or some of them abut against the ribs 18 which secure the guarantee ring 7. This results in the opening rotational movement causes the rupture of the strips 8 and the security ring 7 is completely and definitively separated from the cap. When the protrusions 5 verronillage reached opposite vertical recesses 17, the cap is removed by prying and the container is opened by allowing the use of a portion of its contents. For patching. One operates exactly as for the original closure, the only difference being that the cap has lost its tamper ring 7. In this filler, the pouring tube 13 of the mouthpiece again establishes a seal with the waterproof skirt 6 and the bosses 5 lock as was explained, by preventing accidental removal or not desired cap. It will be understood that it is not necessary that the number of ribs 18 is the same as that of the teeth of the toothing 9. In particular the number of ribs 18 may be much smaller than the number of teeth of the serration 9. the guarantee ring 7 may be extended downwardly from place to place by tabs that allow the maintenance has the hand of the tamper ring and the nozzle during the initial operation of unclogging. The details of such structure represents aueun have limited character and, for example, the number of strips 8 can be different and it is the same for the shapes and dimensions boi: cap and warranty ring 7.10 SUMMARY A device for plugging the orifice of a container characterized by a plastic cap capping at least a portion of a tip of the orifice is clogged and has its base provided with a security ring which is connected to the plug body by thin frangible webs and which carries on its inner surface a toothed ratchet to cooperate with ribs of snaps. tage of the tip destinies has to oppose the rotation of the tamper ring in one direction, in combination with a mechanical locking cap by rotating a bayonet or screw, so that the cap opening causes rupture of the bars and repair of the guarantee ring. 20 The apparatus 1, the cap internally carries a skirt cylindrical outer surface or slightly frustoconical intended to app quer of waterproof way on the inside of a corresponding pouring nozzle of the nozzle in the closed position. 3 A device according to 1, wherein the anti-tamper ring is prolonged downwards in place by tabs facilitating the immobilization of the ring and the tip at the first opening of the cap.

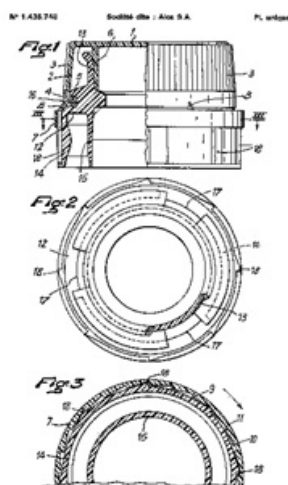
Classifications:

International (IPC 8-9): B65D41/34 B65D47/12 (Advanced/Invention); B65D41/34 B65D47/12 (Core/Invention)

International (IPC 1-7): B65D47/06

CPC: B65D41/3409 B65D47/126 B65D2401/50

European: B65D41/34A1 B65D47/12C1 L65D101/00A5

**Family:**

Publication number	Publication date	Application number	Application date
FR1436748 A	19660429	FR19650009583	19650317

Priority:

FR19650009583 19650317

Probable Assignee:

ALCA SA

Assignee(s): (std):

ALCA SA

Assignee(s):

ALCA S A

3) Family number: 29672250 (GB824387A)

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Title: Combined pouring and sealing devices for containers

Abstract: 824,387. Container closures. GOTH, I. Jan. 2, 1958 [Jan. 18, 1957], No. 1960/57. Class 125(3). A combined pourer and closure device has a pouring member 4 with an annular ledge 5 engaging a recess 3 in the bottle neck 1 and a stopper member connected by a hinge 9 to member 4 and having a plug 10 to make liquid-tight contact with neck 1. The plug 10 may have annular ribs 18 and annular grooves 19 reduce the amount of material in the device. A sealing capsule 23, Fig. 9, having spaces for the hinge 9 and lug 7 has perforated or precut tracks 25 and a tear strip 24 or 24a, Fig. 11, or 24b, Fig. 12. In a modification, Fig. 16, the member 4d has a cylindrical portion 29a entering the container neck and closed by a wall 31 having a liquid passing orifice 32 and an air passage 33. A stopper member 10 closes the pouring member. In another modification, Fig. 17, stoppers 34, 35 closes passages 32, 33. Specifications 757,599 and 792,301 are referred to.

Classifications:

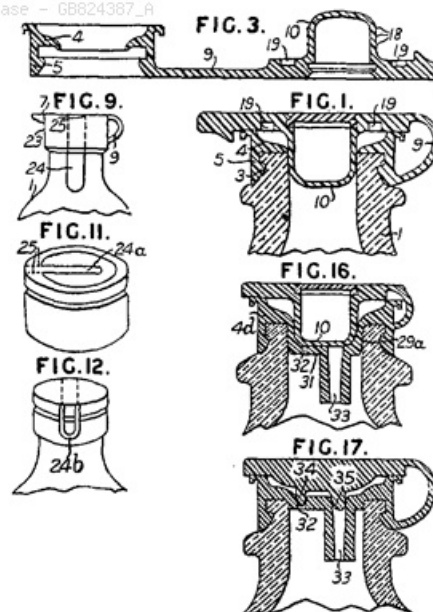
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International (IPC 1-7): B65D39/00

CPC: B65D47/0842 B65D47/141 B65D2251/20

European: B65D47/08B4C1 B65D47/14A L65D251/20

PatBase - GB824387_A



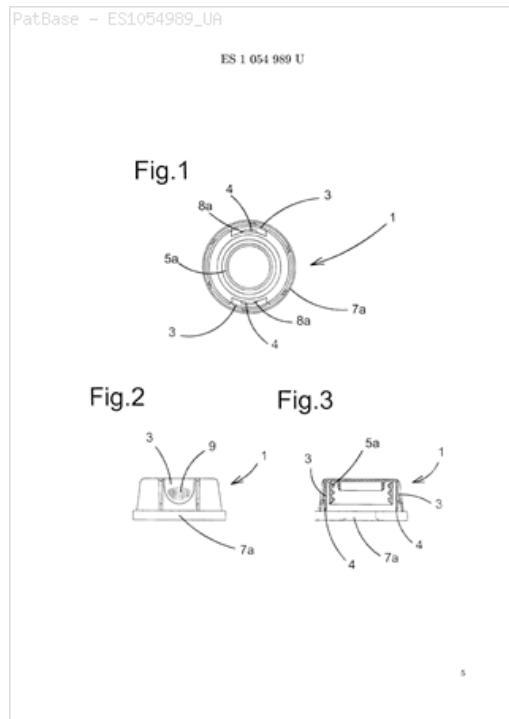
Title: ENVASE CON CIERRE DE SEGURIDAD.

Abstract: Container with security lock, comprising a container (2), a plug (1) provided with a thread (5a) to connect to the container (2) and attached thereto by means of security closure, also comprising a seal (7a) surrounding the plug (1), characterized in that the safety closing means comprise a pair of stops (6) arranged diametrically in the area of the container (2) in contact with the stopper (1) and a pair of flexible tabs (3) formed on the periphery of the plug (1), also arranged diametrically and provided internally each one with a tooth (4), which when the cap (1) is screwed into the container (2) enters in contact with the corresponding stop (6), sliding over it when yielding the flexible flange (3) until it is located after the stop (6), so as to block the rotation of the cap (1) and unblocking it when pressing the tab (6) into the cap (1). (Machine-translation by Google Translate, not legally binding)

Classifications:

International (IPC 8-9): B65D50/10 (Advanced/Invention);
B65D50/00 (Core/Invention)

International (IPC 1-7): B65D50/10



Family:

Publication number	Publication date	Application number	Application date
ES1054989 UA	20030916	ES20030001419U	20030611
ES1054989 Y1	20040101	ES20030001419U	20030611

Priority:

ES20030001419U 20030611

Probable Assignee:

COLLS LLOBET JOSEFA

Assignee(s): (std):

COLLS LLOBET JOSEFA

Inventor(s): (std):

COLLS LLOBET JOSEFA

Title: FERMETURES DE SURETE POUR RECIPIENTS CONTENANT DES MEDICAMENTS OU DES SUBSTANCES DANGEREUSES
SECURITY CLOSURES CONTAINERS OF DRUGS OR SUBSTANCES DANGEREUSES (Machine translation)

Abstract: Source: FR1528549A [FR] (Claim 1) **ATTENTION** debut du champ CLMS peut contenir fin de DESC **. soit de preference perpendiculaire au plan de l'element circulaire 12, la surface eireonferentielle interieure 19 de l'arete 16 est effilee, de preference suivant un angle de 200 environ par rapport a la perpendiculaire au plan de l'element circulaire 12 et vient couper la surface 17 pour former un bord 21. **Machine translation:** (Claim 1) ** WARNING ** start of CLMS field may contain end of DESC **. is preferably perpendicular to the plane of the circular element 12, the inner surface 19 eireonferential of the ridge 16 is tapered, preferably at an angle of about 200 relative to the perpendicular to the circular element 12 and the plan intersects the surface 17 to form an edge 21.

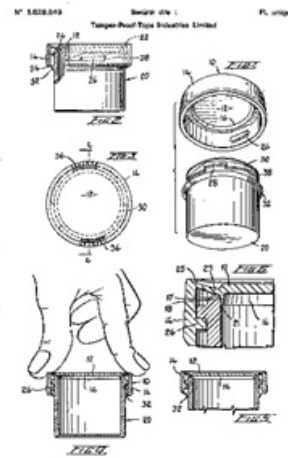
Classifications:

International (IPC 8-9): B65D41/06 (Advanced/Invention);
B65D41/04 (Core/Invention)

International (IPC 1-7): B65D3/10 B65D41/04 B65D55/12

CPC: B65D41/065

European: B65D41/06B

**Family:**

Publication number	Publication date	Application number	Application date
FR1528549 A	19680607	FR19670111750	19670623
NL6708736 A	19671227	NL19670008736	19670622
SE345112 B	19720515	SE19670009102	19670626

Priority:

CA19660963676 19660623 FR19670111750 19670623

Probable Assignee: TAMPER PROOF TOPS IND LTD

Assignee(s): (std): TAMPER PROOF TOPS IND LTD

Assignee(s): TAMPER PROOF TOPS INDUSTRIES LIMITED

Inventor(s): (std): WEIGAND B

7) Family number: 45439084 (US2011303670A)

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Title: SECURE CLOSURE

Abstract: A cap for closing a container comprising an openable access port located at or towards one end of the cap through which contents of the container can be dispensed when the access port is in an opened condition, an internal wall surface for engaging with one or more parts of an external surface of the container, a first part of a securing means located on the internal wall surface of the cap, the first part of the securing means for cooperatively engaging with second part of the securing means located on the external surface of the container to prevent removal of the cap from the container when the cap is located in a sealing condition on the container thereby preventing removal of the cap from the container, in that the engaging elements form a ratchet arrangement or a ratchet and pawl like arrangement allowing rotational movement of the cap with respect to the container in one direction only.

Classifications:

International (IPC 8-9): A61J1/00 A61J1/05 A61M5/00 B65D39/04 B65D39/08 B65D41/04 B65D41/32 B65D41/34 B65D43/26 B65D45/00 B65D47/36 B65D50/00 B65D51/18 B65D51/20 (Advanced/Invention); A61J1/00 A61M5/00 B65D39/00 B65D41/32 B65D47/00 B65D50/00 (Core/Invention)

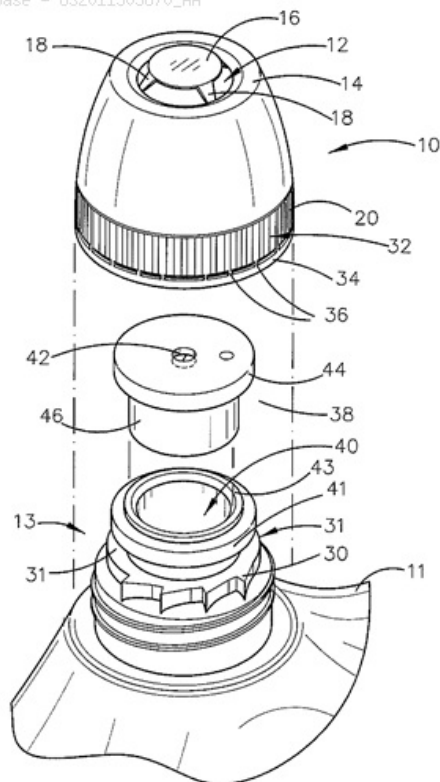
CPC: A61J1/1418 A61J1/1468 A61J1/1475 A61J1/18 B65D41/0471 B65D41/3409 B65D41/3447 B65D47/36 B65D51/002 B65D51/18 B65D51/20 B65D55/022 B65D2251/0015 B65D2251/0025 B65D2251/0075 B65D2251/009

European: A61J1/14C A61J1/14P A61J1/18 B65D41/04E B65D41/34A1 B65D41/34D1 B65D47/36 B65D51/00B B65D51/18 B65D51/20 B65D55/02D K61J1/14C2 K61J1/14M L65D251/00Y2D L65D251/00Y2J L65D251/00Y6B L65D251/00Y6K

US: 220/254.9 220/254.900S 220/257.1 220/257.100P 220/258.3 220/258.300S 220/285 220/285S 220/328 220/328S

JP F-Term: 3E084/AA04 3E084/AA12 3E084/AA24 3E084/AA32 3E084/AB01 3E084/AB05 3E084/BA03 3E084/CA01 3E084/CB03 3E084/CC03 3E084/DA01 3E084/DB03 3E084/DB12 3E084/DC03 3E084/EA02 3E084/EB01 3E084/EB02 3E084/EC03 3E084/FA09 3E084/FB01 3E084/GA01 3E084/GB08 3E084/GB19 3E084/GB26 3E084/KA13 3E084/KA14 3E084/KB01 3E084/LA06 3E084/LB02 3E084/LD30 4C047 4C047/AA05 4C047/BB01 4C047/BB11 4C047/CC04 4C047/CC09 4C047/CC13 4C047/DD04 4C047/DD10 4C047/GG22 4C047/GG23

JP F-Index: A61J1/00/315/Z A61J1/05/315/Z B65D39/04/J B65D41/34

**Family:**

Publication number	Publication date	Application number	Application date
AU2009326855 AA	20100617	AU20090326855	20091209
AU2009326855 AA	20110630	AU20090326855	20091209
CA2746068 AA	20100617	CA20092746068	20091209
EP2361197 A1	20110831	EP20090831312	20091209
EP2361197 A4	20121226	EP20090831312	20091209
IN04658DN2011 A	20120420	IN2011DN04658	20110617
JP2012511473 T2	20120524	JP20110539846T	20091209
NZ593323 A	20140228	NZ20090593323	20091209
US2011303670 AA	20111215	US20090133896	20091209
WO10065998 A1	20100617	WO2009AU01598	20091209

Priority:

AU20080906377 20081210 AU20090326855 20091209 WO2009AU01598 20091209

Probable Assignee: BAKER RAYMOND

Assignee(s): (std): BAKER RAYMOND ; BAKER RAYMOND JOHN ; RAYMOND JOHN BAKER

Inventor(s): (std): BAKER RAYMOND JOHN ; JOHN BAKER RAYMOND

Agent(s): GRIFFITH HACK; OYEN WIGGS GREEN AND MUTALA LLP; DELORME NICOLAS

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

8) Family number: 1219002 (CH613912A)

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Title: Actuation closure for containers of liquids subjected to compressed gas

Abstract: The actuation closure is preferably used for containers (51) of liquids subjected to compressed gas in dispensing systems, liquid delivery devices and syphons. It can be screwed onto these devices and consists mainly of a housing (28) having a pressure-reducing valve (1) arranged thereon, a manually actuated blow-off valve, a safety valve (53), a non-return valve (67), a bearing attached to the pressure-reducing valve for the compressed gas cartridge (5), the rising pipe and an outlet apparatus with the outlet pipe (63). Due to the sensible arrangement of the construction elements in the high-pressure part of the pressure-reducing valve, a reduction in the construction elements and constructional sizes is achieved.

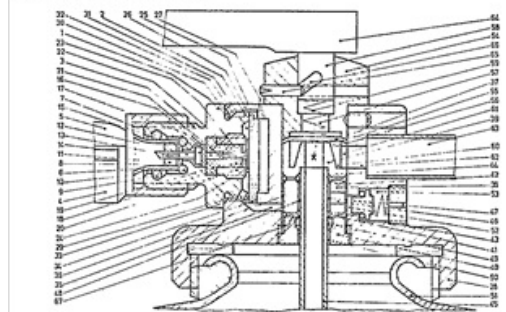
Classifications:

International (IPC 8-9): B65D83/14 B67D1/04 (Advanced/Invention)

International (IPC 1-7): B67C3/18 B67D1/04 B67D1/12 B67D1/14 B67D5/54

CPC: B65D83/663 B67D1/0412

European: B65D83/66C B67D1/04B

**Family:**

Publication number	Publication date	Application number	Application date
AT154775 A	19791015	AT19750001547	19750228
AT357055 B	19800610	AT19750001547	19750228
CH613912 A	19791031	CH19750002319	19750225
DD110024 Z	19741205	DD19740176947	19740305

Priority:

DD19740176947 19740305

Probable Assignee: ZIEH PRESS UND STANZWERK ZWINT**Assignee(s):** (std): ZIEH PRESS U STANZWERK ZWINT ; ZIEH PRESS UND STANZWERK ZWINT**Assignee(s):** VEB ZIEH PRESS UND STANZWERK ZWINTSCHOENA**Inventor(s):** (std): WINKLER DIPL OEC KLAUS ; STRUBE WOLFGANG DIPL ING**Inventor(s):** DIPL OEC KLAUS WINKLER ; DIPL ING WOLFGANG STRUBE**9) Family number: 33995780 (US2010112815A)**

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Title: FLUID STORAGE AND DISPENSING SYSTEMS AND PROCESSES

Abstract: Fluid storage and dispensing systems and processes involving various devices, structures and arrangements, as well as techniques and methods, for fluid storage and dispensing, including, without limitation, pre-connect verification couplings that are usefully employed in application to fluid storage and dispensing packages, to ensure proper coupling and avoid fluid contamination issues, empty detect systems that are usefully employed for fluid storage and dispensing packages incorporating liners that are pressure-compressed in the fluid dispensing operation, ergonomically enhanced structures for facilitating removal of a dispense connector from a capped vessel, cap integrity assurance systems for preventing misuse of vessel caps, and keycoding systems for ensuring coupling of proper dispense assemblies and vessels. Fluid storage and dispensing systems are described, which achieve zero or near-zero headspace character, and prevent or ameliorate solubilization effects in liquid dispensing from liners in overpack vessels.

Classifications:

International (IPC 8-9): B01J4/00 B23P11/00 B23P19/04 B65D17/34 B65D35/56 B65D41/06 B65D77/04 B65D83/00 B67D1/08 B67D1/12 B67D5/00 B67D7/00 B67D7/02 B67D7/06 B67D7/08 B67D7/10 B67D7/32 B67D7/34 B67D7/72 B67D99/00 F16K35/00 F16K35/02 F16L37/08 G05D7/00 H01L21/00 H01L21/30 (Advanced/Invention); B67D1/08 B67D7/08 B67D7/34 B67D7/72 H01L21/00 (Advanced/Non-invention)

International (IPC 1-7): B67D5/00

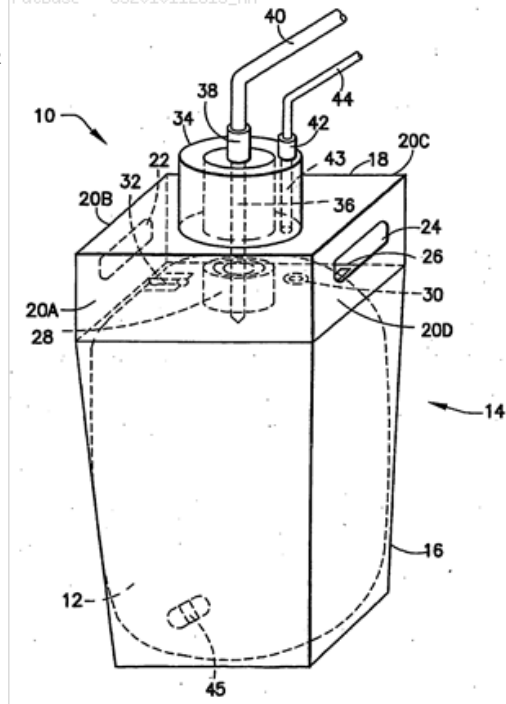
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European: B67D7/02E4B B67D7/02G B67D7/32 B67D7/34C

US: 1/1 220/270 220/270S 220/293 220/293S 222/1 222/105 222/105S 222/153.03 222/153.030S 222/153.09 222/191 222/191S 222/1P 222/1S 222/23 222/23S 222/399 222/399S 222/40 222/81 222/81S 257/E21.211 257/E21.211S 285/38 29/428 29/428S 29/700 29/700S 438/689 438/689P 438/758 438/758S 700/283 700/283S

JP F-Term: 3E014 3E014/PA01 3E014/PC01 3E014/PC04 3E014/PC07 3E014/PD21 3E014/PF06 3E067 3E067/AA03 3E067/AB96 3E067/BA01 3E067/BA12 3E067/BB14 3E067/BC06 3E067/CA04 3E067/EE50 3E067/EE59 3E067/FA04 3E067/FC01 3E014/PB07 3E014/PC02 3E014/PC11 3E014/PE01 3E014/PE11 3E014/PE14 3E014/PE17 3E014/PF09 4G068 4G068/AA04 4G068/AB11 4G068/AB15 4G068/AD40 4G068/AF31 4G068/AF40 3E014/PE15 3E014/PF10 3E083 3E083/AA20 3E083/AD17 3E083/AK01 4G068/AC20

JP F-Index: B65D77/04/B B65D83/00/L B01J4/00/103 B67D7/32/E B67D7/72

**Family:**

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CN102101634 A	20110622	CN201010281391	20060605
CN102101634 B	20141217	CN201010281391	20060605
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CN102126696 B	20141029	CN201010609240	20060605
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TWI429580 B	20140311	TW20060119998	20060606
US2010112815 AA	20100506	US20060915996	20060605
US2011226806 AA	20110922	US20110149844	20110531
US2015284236 AA	20151008	US20150744202	20150619
US2015360929 AA	20151217	US20150812651	20150729
US9079758 BB	20150714	US20110149844	20110531
US9802808 BB	20171031	US20150812651	20150729
WO06133026 A2	20061214	WO2006US21622	20060605
WO06133026 A3	20080103	WO2006US21622	20060605
WO06133026 C2	20070215	WO2006US21622	20060605

Priority:

US20050687896 20050606	US20050687896P 20050606	EP20060772070 20060605
EP20110158801 20060605	JP20080515791 20060605	JP20080515791T 20060605
US20060915996 20060605	WO2006US21622 20060605	US20100915996 20100106
US20110149844 20110531	US20150744202 20150619	US20150812651 20150729

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Assignee(s): MORGAN STANLEY SENIOR FUNDING INC ; TOKYO ELECTRON LIMITED ; GOLDMAN SACHS BANK USA COLLATERAL AGENT AS ; ENTEGRIS INC NGESDSTAATES DELAWARE BILLERICA ; ADVANCED TECHNOLOGY MATERIALS INC ; POCO GRAPHITE INC ; GOLDMAN SACHS BANK USA ; ATMI PACKAGING INC ; ATMI INC

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Inventor(s): WARE DONALD D ST PAUL ; O'DOUGHERTY KEVIN T ; TOM GLENN M BLOOMINGTON ; SMITH MATTHEW ROBBINSDALE ; OBERG RUSSELL BELDENVILLE ; NESDAHL KEVIN BLAINE ; O DOUGHERTY KEVIN T ARDEN HILLS ; NELSON GREG MINNEAPOLIS ; JANCSEK JOHN LINO LAKES ; MIKKELSEN KIRK AND ; MIKKELSEN KIRK CHASKA ; KINGERY JOHN R EDEN PRAIRIE ; HOYT TIM PRIOR LAKE ; BRESTOVANSKY DENNIS EDEN PRAIRIE ; HAAPALA ROBERT MOUND ; GEROLD JASON SHAKOPEE

Agent(s): LANG AND TOMERIUS PATENTANWALTSPARTNERSCHAFT MBB ; ABG PATENTES SL ; ABG PATENTES S L ; GREAVES BREWSTER LLP ; INABA YOSHIIYUKI ; VIERING JENTSCHURA AND PARTNER LLP ; INTELLECTUAL PROPERTY / TECHNOLOGY LAW ; INTELLECTUAL PROPERTY TECHNOLOGY LAW ; CHRISTENSEN FONDER PA

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: SISTEMA DE FECHAMENTO INVIOLOVEL, TAMPA LACRE E RESPECTIVO BOCAL DE VEDACAO CLOSURE SYSTEM inviolable, AND ITS COVER SEAL NOZZLE SEAL (Machine translation)

Abstract: Source: BR102013028984A [PT] 1 RESUMO "SISTEMA DE FECHAMENTO INVIOLOVEL, TAMPA LACRE E RESPECTIVO BOCAL DE VEDACAO" - pertencente ao campo de aplicacao dos sistemas de 5 fechamento e vedacao de recipientes, e, mais precisamente, a um modelo de tampa lacre associada ao bocal de um garrafo de agua mineral ou de armazenamento e transporte de demais fluidos afins, dito sistema compreendendo um conjunto (10) de tampa lacre (20) e seu respectivo bocal (30), possibilitando a insercao da referida lo tampa lacre (20) de forma rosqueada no citado bocal (30), cuja primeira colocacao, para fins de lacrar o conjunto (10), ocorre na ocasio do rosqueamento (sentido horario), onde as linguetas (21) radiais inclinadas existentes no trecho interno da cinta-lacre (22) que envolve inferiormente a tampa (20), nao encontram resistencia, 15 armando o sistema de seguranga. **Machine translation:** 1 SUMMARY "CLOSING SYSTEM inviolable, SEAL COVER AND ITS NOZZLE SEAL" - belonging to the application field of 5 closing and sealing containers systems, and, more precisely, a seal cap model associated with the mouth of a jug mineral or water storage and transport of other similar fluid, said system comprising a set (10) of sealing cover (20) and its respective nozzle (30), allowing the insertion of said him sealing cap (20) threaded manner in said nozzle (30), whose first placement for the purpose of sealing the assembly (10), occurs on the occasion of the thread (clockwise), where the tabs (21) radial existing inclined in the internal portion of the strap-seal (22) involving inferiorly the cover (20), not meet resistance, 15 arming the security system.

Classifications:

International (IPC 8-9): B65D41/48 (Advanced/Invention)

PatBase - BR102013028984_A2

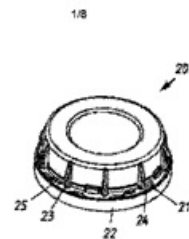


FIG. 1

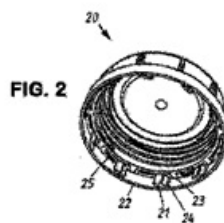


FIG. 2

Family:

Publication number	Publication date	Application number	Application date
BR102013028984 A2	20140819	BR20131028984	20131111

Priority:

BR20131028984 20131111

Probable Assignee: BETHANIS IOANNIS PANAGIOTIS

Assignee(s): (std): BETHANIS IOANNIS PANAGIOTIS

Assignee(s): IOANNIS PANAGIOTIS BETHANIS

Inventor(s): (std): BETHANIS IOANNIS PANAGIOTIS

Inventor(s): IOANNIS PANAGIOTIS BETHANIS

Title: CIERRE DE SEGURIDAD DE GIRO CORTO PARA RECIPIENTES Y PROCEDIMIENTO PARA PRODUCIR DICHO CIERRE SAFETY LOCK TURN SHORT FOR CONTAINERS AND METHOD FOR PRODUCING SUCH CLOSURE (Machine translation)

Abstract: Source: AR090693A [ES] Cierre de seguridad de giro corto para recipientes y procedimiento para producir dicho cierre. Este cierre de seguridad posee una estructura interior (1) fija que esta vinculada a un tapon (3) de cierre y comprende un cerco de agarre (12) que actua sobre un cordon o saliente anular (61)(62) del recipiente (6) de aplicacion. Esta estructura interior (1) da montaje giratorio (4) a una estructura exterior (2) cuyo movimiento giratorio, limitado por un dispositivo limitador de giro (5), determina el movimiento de unos miembros de bloqueo moviles (24), entre una posicion activa detras de dichos dedos de agarre (13) y una posicion pasiva en dichos espacios intermedios (14).El procedimiento comprende una serie de etapas a traves de las cuales se monta el tapon (3) en la estructura interior (1), se completa el armado del tapon (3), se monta la citada estructura interior (1) en la estructura exterior (2) y se cierra (23) el acceso superior de la estructura exterior (2). **Machine translation:** Close up short for containers and process for producing the closure rotation. This safety lock has an inner structure (1) is linked to fixed plug (3) comprises a closing and gripping rim (12) acting on a cord or annular projection (61) (62) of the container (6) of application. This inner structure (1) has rotatable mounting (4) to an external structure (2) whose rotational

movement, limited by a rotation limiting device (5), determines the movement of a moveable locking member (24) between a position active behind said gripping fingers (13) and a passive position in said interspaces (14).The process comprises a series of steps through which the cap (3) on the inner structure (1) is assembled, complete the assembly of the cap (3), said inner structure (1) is mounted on the outer structure (2) and closed (23) access the upper external structure (2).

Classifications:

International (IPC 8-9): B65D41/46 (Advanced/Invention)



Family:

Publication number	Publication date	Application number	Application date
AR090693 AA	20141203	AR2013P101223	20130415

Priority:

AR2013P101223 20130415

Probable Assignee: ROSSON EDUARDO JUAN

Assignee(s): (std): ROSSON EDUARDO JUAN

Inventor(s): (std): EDUARDO JUAN ROSSON

12) Family number: 59633454 (CO5840148U)

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Title: CIERRE DISPENSADOR CON CIERRE DE OCLUSION DE TAPON PARA ENVASE QUE CONTIENE UNA BEBIDA Dispensing closure occlusion CLOSURE CAP FOR PACKAGE CONTAINING A DRINK (Machine translation)

Abstract: Source: CO5840148U [ES] 1.- Cierre dispensador con cierre de oclusion de tapon para envase que contiene una bebida que comprende un capuchon que rodea y cubre la boca del botellon donde dicho capuchon, comprende una faldilla perimetral que rodea el perimetro de la boca del botellon y dicho capuchon comprende una primera superficie plana superior que limita y cierra dicha faldilla perimetral caracterizado porque los medios de obturacion y dispensado del cierre, estan definidos en el area central de dicha superficie plana superior, donde se dispone de un escalon que forma un circulo cortado por una saliente en forma de "U", configurando un ojo de cerradura que limita una segunda superficie plana inferior, donde sobre dicha segunda superficie inferior plana, se disponen dos orificios pasantes de salida de liquido y entrada de aire que comunican el interior de la capuchon con el exterior, donde adyacente a dicho escalon, de manera opuesta a la saliente en forma de "U", se dispone un canal tangencial a dicho escalon donde el cierre adicionalmente comprende medios de placa de halado para cerrar o abrir a voluntad los medios de salida de liquido y los medios de entrada de aire donde dicha placa de halado comprende una configuracion circular con una saliente en forma de "U", configurada para ser recibida en la cavidad formada por el escalon, donde hacia su area central y en direccion a los dos orificios de salida de liquido y entrada de aire, se disponen de tapones semiesfericos adaptados para obturar dichos orificios, donde un primer tapon esta preparado para obturar el orificio de salida de liquido y un segundo tapon esta preparado para obturar el segundo orificio de entrada de aire y donde la saliente en "U" de dicha placa, comprende una separacion de espesor respecto a la placa dividiendola de manera que se configura una aleta dispuesta para halar la placa y retirar los tapones semicirculares de los orificios y abrir el cierre para su dispensado. **Machine translation:** 1. Close dispenser occlusion closure cap for containing a beverage container comprising a cap that surrounds and covers the mouth of the bottle which said cap comprises a peripheral skirt surrounding the perimeter of the mouth of the bottle and said cap comprises a first upper flat surface bounding and closing said characterized perimeter skirt because the closures and dispensing closure, are defined in the central area of said upper flat surface, where it has a step which forms a circle cut by a protrusion in the form of "U", setting a keyhole that limits a second lower flat surface, where on said second planar bottom surface, two through holes liquid outlet and air inlet communicating the interior of the cap with the arranged outdoors, where adjacent to said shoulder, opposite the way outgoing "U", a tangential channel to said step wherein the closure further comprises plate means to close or open pulled at will the outlet means is provided liquid and air inlet means wherein said plate comprises a circular pulled shaped projection with a "U" configuration, configured to be received in the cavity formed by the step, which towards its central area and in the direction of the two liquid outlet holes and air inlet are arranged hemispherical caps adapted to seal said holes, wherein a first plug is ready to seal the outlet of liquid and a second plug is ready to seal the second inlet air and where outgoing "U" of said plate comprises a thick separation from the plate dividing it so that a fin plate arranged to pull and remove the semicircular hole plugs and open the lock is configured for dispensing.

Classifications:

5

La Figura 4 ilustra el cierre dispensador con cierre de obtusión de tapón para envase de la presente invención en su uso y dispensado.

DESCRIPCIÓN DETALLADA DE LA INVENCIÓN

La presente invención involucra un cierre dispensador para una botella, botellón o similar para distribuir una bebida contenida tal como agua u otro líquido consumible, en la que bebida pueda ser dispensada a través del cierre cuando el envase está en posición horizontal que comprende una placa de hialado para obturar o abrir a voluntad los medios de salida de líquido y medios de entrada de aire para garantizar el dispensado.

Refiriéndose ahora en detalle a los dibujos, haciendo referencia a la figura 1, se ilustra en isométrico el cierre objeto de la invención. Según dicha figura 1, el cierre dispensador 1 comprende un capuchón 2 que rodea y cubre la boca del botellón 100.

Dicho capuchón 2, comprende una faldilla perimetral 3 que rodea el perímetro de la boca del botellón 100. Dicho capuchón 2 comprende una primera superficie plana superior 4 que limita y cierra dicha faldilla perimetral 3.

Por su parte, los medios de obturación y dispensado del cierre 1, están definidos en el área central de dicha superficie plana superior 4, donde se dispone de un escalón 5 que forma un círculo cortado por una saliente en forma de "U" formando un ojo de cerradura que limita una segunda superficie plana inferior 6. Sobre dicha segunda superficie inferior plana 6, se disponen dos orificios pasantes que comunican el interior de la capuchón 2 con el exterior, donde un primer orificio 7 comprende los medios de dispensado del líquido y un segundo orificio 8 comprende los medios de entrada de aire para el correcto dispensado de líquido.

Family:

Publication number	Publication date	Application number	Application date
CO5840148 U1	20071231	CO20060129873U	20061228

Priority:

CO20060129873U 20061228

Probable Assignee: DE ACCESORIOS Y REPUESTOS PARA AUTOMOTORES LTDA FARAL FAB**Assignee(s):** DE ACCESORIOS Y REPUESTOS PARA AUTOMOTORES LTDA FARAL FAB**Inventor(s):** ROBERTO DIBELLA QUARENGUI**Agent(s):** LAURA CATALINA SILVA BARRERA