

**(12) STANDARD PATENT**  
**(19) AUSTRALIAN PATENT OFFICE**

(11) Application No. **AU 2016409297 B2**

(54) Title  
**Footwear item comprising a device including a tube for storing information or an object**

(51) International Patent Classification(s)  
**A43B 3/00** (2006.01)

(21) Application No: **2016409297**

(22) Date of Filing: **2016.09.08**

(87) WIPO No: **WO17/207073**

(30) Priority Data

(31) Number  
**93088**

(32) Date  
**2016.05.30**

(33) Country  
**LU**

(43) Publication Date: **2017.12.07**

(44) Accepted Journal Date: **2022.08.18**

(71) Applicant(s)  
**Global Secure SA**

(72) Inventor(s)  
**Smeyers, René**

(74) Agent / Attorney  
**Dennemeyer & Associates, PO Box 363, KEW, VIC, 3101, AU**

(56) Related Art  
**US 1751069 A**  
**US 6050007 A**

(12) DEMANDE INTERNATIONALE PUBLIÉE EN VERTU DU TRAITÉ DE COOPÉRATION EN MATIÈRE DE BREVETS (PCT)

(19) Organisation Mondiale de la  
Propriété Intellectuelle  
Bureau international



(43) Date de la publication internationale  
07 décembre 2017 (07.12.2017)

WIPO | PCT

(10) Numéro de publication internationale  
**WO 2017/207073 A1**

(51) Classification internationale des brevets :  
A43B 3/00 (2006.01)

(21) Numéro de la demande internationale :  
PCT/EP2016/071213

(22) Date de dépôt international :  
08 septembre 2016 (08.09.2016)

(25) Langue de dépôt : français

(26) Langue de publication : français

(30) Données relatives à la priorité :  
93088 30 mai 2016 (30.05.2016) LU

(71) Déposant : GLOBAL SECURE SA [LU/LU] ; 45 route  
d'Arlon, 8009 Strassen (LU).

(72) Inventeur : SMEYERS, René ; Henri-de-Vedeleerstraat 9,  
B-1501 Buizingen (BE).

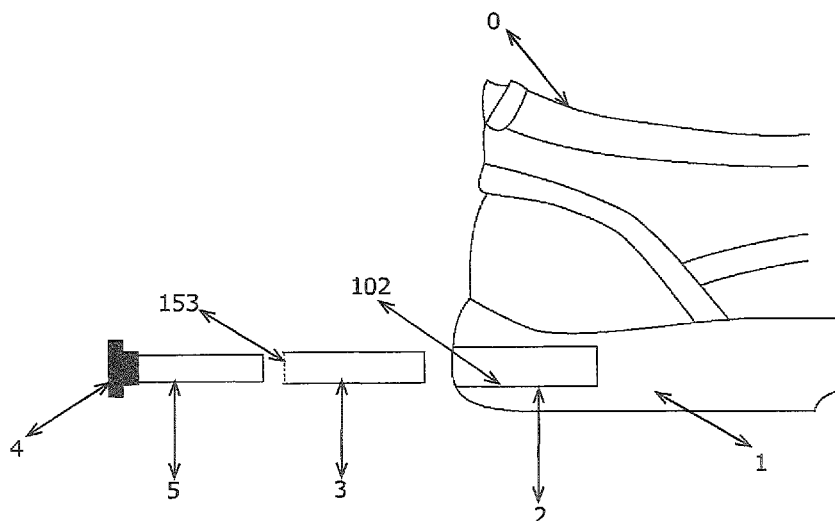
(74) Mandataire : DENNEMEYER & ASSOCIATES S.A. ;  
Landaubogen 1-3, 81373 München (DE).

(81) États désignés (sauf indication contraire, pour tout titre de protection nationale disponible) : AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(54) Title: FOOTWEAR ITEM COMPRISING A DEVICE INCLUDING A TUBE FOR STORING INFORMATION OR AN OBJECT

(54) Titre : CHAUSSURE COMPRENANT UN DISPOSITIF AVEC TUBE DE STOCKAGE D'INFORMATION OU D'OBJET

Fig.7



(57) Abstract: The invention relates to a footwear item comprising a device for storing information or an object. The footwear item comprises a sole (1) including a front part (201) and a rear part (101), with a hole (2) being provided in the sole (1) that opens onto the front part (200) or the rear part (100) of the footwear item (0). The invention also comprises: a casing (3, 4) inserted into the hole (2) in the sole (1), said casing (3, 4) comprising a duct (3) designed to be inserted into the hole (2) in the sole (1), said duct (3) comprising an opening (153) and being secured in the hole (2) such that the duct (3) is permanently secured to the sole (1); and a cover (4) hermetically sealing the opening (153) in the duct (3) such that the casing (3, 4) is leak-tight, said cover (4) comprising a tube (5) designed to be inserted into the duct (3) through the opening (153) so as to allow the storage of information or an object.

[Suite sur la page suivante]

(84) **États désignés** (*sauf indication contraire, pour tout titre de protection régionale disponible*) : ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), eurasién (AM, AZ, BY, KG, KZ, RU, TJ, TM), européen (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

**Publiée:**

- avec rapport de recherche internationale (Art. 21(3))
- avec revendications modifiées (art. 19(1))

---

(57) **Abstrégé :** Chaussure avec dispositif de stockage d'information ou d'objet, comprenant une semelle (1) comportant une partie avant (201) et une partie arrière (101), dans laquelle la semelle (1) comporte un trou (2) avec une ouverture débouchant de la partie avant (200) ou de la partie arrière (100) de la chaussure (0), et un boîtier (3,4) inséré dans le trou (2) de la semelle (1), le boîtier (3,4) comprenant un conduit (3) adapté pour être inséré dans le trou (2) de la semelle (1), le conduit (3) comportant une embouchure (153) et étant fixé dans le trou (2) de la semelle (1) pour solidariser le conduit (3) à la semelle (1) de façon définitive, et un couvercle (4) fermant hermétiquement l'embouchure (153) du conduit (3) pour rendre le boîtier (3,4) étanche, le couvercle (4) comportant un tube (5) adapté pour être inséré dans le conduit (3) par l'embouchure (153) et permettre le stockage d'information ou d'objet.

**Footwear item comprising a device with a tube for storing information or an object**

The present invention relates to a footwear item with a device for storing information or an object and a method for producing a footwear item of this kind.

**Technical Field**

In accordance with a first aspect, the present invention relates to a footwear item including a device for storing information or an object. In accordance with a second aspect, the invention proposes a footwear item capable of receiving a storage device. In accordance with a third aspect, the invention proposes a casing comprising a device for storing information or an object suitable for insertion in a footwear item. In accordance with a fourth aspect, the invention proposes a method for producing a footwear item.

A "footwear item" shall be understood here to mean any style of footwear item (child's, women's, men's), of espadrille, of sandal, of boot, or bare feet.

**Prior art**

According to the prior art, there exist footwear items with a housing for a storage module accessible from outside.

Publication WO-A1-9311681 describes a sports footwear item comprising a sole and a receptacle incorporated in the sole and intended to receive and releasably hold a plug-in module in a rail, the plug-in module including a battery and electrical circuit elements.

Publication US-A1-2007260421 describes another example of a footwear item in which a housing element is provided for an electronic module and is accessible from outside the structure of the footwear item, said footwear item also comprising a casing with a removable cover element.

Publication US 1 751 069 A describes a footwear item with a device for storing information or an object according to the preamble of claim 1.

Publication US 6 050 007 A discloses a footwear item and a method making it possible to illuminate a sports footwear item, including an activated chemiluminescent light source fixed removably in the sole of the footwear item.

These structures are generally formed by different devices that can be housed in the

footwear item and that can be easily fixed to the sole.

However, one criticism of these known footwear items with storage device could be considered the fact that they are not designed to prevent dirt or water from deteriorating the casing, and that they are heavy, bulky and unreliable. For the storage structures, the assembly and disassembly of systems of this kind requires a lot of time. In addition, problems result also in respect of their implementation, because these devices for storing an object are unreliable and are not resistant to the weather, to frost, or to elevated temperatures. In particular, over time, these storage devices can easily detach from the footwear item (in the case of frost or elevated temperatures) or are no longer leak-tight.

Difficulties in respect of implementation manifest in particular for certain storage devices which are not securely fixed to the footwear item or which are not completely leak-tight, which poses certain problems.

In addition, these known devices for storing information or an object in footwear items are relatively easy to open, even for a child. Furthermore, access to the information or the object placed in the known storage devices is not facilitated.

### **Summary of the invention**

It is therefore clear that there is a need for a system which, to a large extent, makes it possible to overcome the disadvantages encountered in the prior art. One object of the invention is to provide a footwear item comprising a device for storing information or an object.

The invention has a number of objectives:

- assist individuals in danger or incapable of communicating crucial information at a specific moment (young children, handicapped individuals, individuals who have been involved in an accident resulting in memory loss, unidentified persons, etc.)
- allow two adults to communicate items and information when the person wearing the footwear items is unable to do so

- protect against potential attacks (deterrent)

The presence of the device for storing information or an object makes it possible to reinforce a feeling of safety for the individual wearing the footwear item.

- 5 It is possible to file/store in this device an important object or a paper document containing information (indispensable survival list, identification information), such as
- name
  - date of birth
  - personal address
- 10 blood group
- allergy to medicaments and foods
  - other medical information
  - contact name and person (family)
  - doctor's name
- 15 hospital information, etc.
- other information: tattoos, glasses, specific identifying marks

It is also possible to file/store an important object in this device, such as medicaments, a microchip, a GPS tracker, money, a USB stick, etc.

- The problem to be solved is that of overcoming the disadvantages of the prior art mentioned above and finding a footwear item that includes a device for storing
- 20 information or an object, which device is fixedly connected to the footwear item and is completely leak-tight.

- Consequently, one object of the present invention is to provide a footwear item including a discrete device for storing information or an object, which device also offers
- 25 a high ease of use whilst being very reliable and robust.

Another object of the present invention is to propose a footwear item including a completely leak-tight and robust device for storing information or an object, which device is also easy to open for an adult, but relatively difficult to open for a child.

- The present invention makes it possible to simplify the manipulation of the footwear
- 30 item so as to facilitate the positioning of the device for storing information or an object and so as to easily and fixedly anchor said device in the footwear item whilst also

making said device leak-tight and fixed permanently to the footwear item. Another objective of the invention is to facilitate access to the information or the object placed in the storage device.

5 This objective is achieved, in accordance with the invention, in that the footwear item with device for storing information or object has the features of the characterising part of claim 1.

To this end, in accordance with another aspect, the invention proposes a method for producing a footwear item with a device for storing information or an object which has the features of claim 24.

10 More particularly, to this end, in accordance with the invention, this goal is achieved by the fact that the footwear item with device for storing information or object comprises a sole including a front part and a rear part, wherein the sole has a hole that opens onto the front part or the rear part of the footwear item, the footwear item comprising a casing inserted into the hole in the sole, said casing comprising a duct suitable for  
15 insertion into the hole in the sole, the duct comprising an opening and being fixed in the hole in the sole in order to secure the duct to the sole permanently; and a cover hermetically sealing the opening in the duct such that the casing is leak-tight, the cover including a tube suitable for insertion into the duct via the opening and suitable for allowing the storage of information or an object.

20 This makes it possible to prevent dirt or water from deteriorating the casing, the cover closing the mouth of the hole in a leak-tight manner whilst said device is easy to open for an adult, but is relatively difficult to open for a child.

In addition, this makes it possible to achieve a robust and leak-tight fixing between the sole and the casing, the anchoring means being designed to make it possible to secure  
25 the duct to the sole permanently. The fixing of the cover on the duct results in the creation of a resistance which makes it difficult for a child to remove the cover. This closure system makes it possible to obtain a leak-tight fixing, which is easy to open for an adult, but relatively difficult to open for a child. In addition, this makes it possible to facilitate access to the information or the object placed in the tube of the storing device.

30 The tube is preferably inserted into the hole so as to be removable. It is easier to insert documents or objects into the tube, and to remove documents or objects therefrom,

when said tube is held in the hand.

So as to be able to insert and fix the tube more easily into the hole in the sole, this hole is associated with a duct that is preferably sealed on one side and open on the other.

5 In one embodiment of the invention the tube is fixed permanently or removably on the base of the cover, the tube being inserted or removed manually into/from the duct at the same time as the cover.

The tube is preferably made of a transparent material so as to be able to see the content thereof.

10 In one embodiment of the invention, the tube is fixed removably to the base of the cover, the fixing comprising a bayonet-based closure system, formed by flat tabs situated at one end of the tube cooperating with grooves situated in the base of the cover, the flat tabs engaging with or disengaging from the grooves in order to fix and separate the tube to/from the cover respectively.

15 The flat tabs are preferably situated on the inner face at one end of the tube, and the corresponding grooves are situated on the outer face of the cover.

Alternatively, the flat tabs are preferably situated on the outer face at one end of the tube, and the corresponding grooves are situated on the inner face of the cover.

20 In one embodiment of the invention, the opening of the tube is open and the tube is obstructed at the opening by a removable cap making it possible to close and block the information or object disposed in the tube, the cap including a cap head having a diameter slightly larger than the body of the cap suitable for insertion in said tube.

In another embodiment of the invention the opening of the tube is closed by an end face so as to obtain a closed tube making it possible to close off and block the information or object disposed in the tube.

25 In a preferred embodiment of the invention, the duct also comprises an anchoring means integrated in the duct, the anchoring means being suitable for fixing the duct in the hole in the sole and for securing the duct to the sole permanently.

In one embodiment of the invention, the anchoring means is preferably integrated in the duct, the anchoring means and the duct being formed in one piece.

In one embodiment of the invention, the anchoring means includes bumps on the outer face of the duct so as to make it possible to anchor the duct in the hole in the sole so as to secure said parts permanently, the bumps being provided in a half-moon shape, open towards the opening of the duct and solid towards the closed part of the duct so as to facilitate the insertion of the duct into the hole and prevent said duct from then being removed.

In another embodiment of the invention, the anchoring means preferably includes barbs on the outer face of the duct so as to make it possible to anchor the duct in the hole in the sole so as to secure said parts permanently, the barbs pointing towards the opening of the duct so as to facilitate the insertion of the duct into the hole and prevent said duct from then being removed.

In one embodiment of the invention, the inner wall of the hole in the sole includes barbs which point towards the bottom of the hole and which cooperate with barbs on the outer part of the duct for anchoring the duct to the sole and preventing said duct from then being removed.

In another embodiment of the invention, the anchoring means includes a flexible system at the end of the duct situated in the vicinity of the closed part, the flexible system comprising a plurality of elements with a pointed shape for allowing the duct to be anchored in the hole in the sole so as to secure said parts permanently, the pointed flexible elements being suitable for being depressed towards the interior of the duct and facilitating insertion thereof into the hole, and for extending out towards the outside of the duct so as to be wedged in the sole and remain blocked there.

In one embodiment of the invention, the anchoring means comprises glue for reinforcing the permanent fixing of the duct and the sole.

In another embodiment of the invention, the cover preferably comprises flexible toric lamellae on the outer face suitable for cooperating with the duct, the inner face of the duct being smooth, so as to hold the cover on the duct and ensure the tightness of the casing.

In another embodiment of the invention, the cover comprises a first fixing part and the duct comprises a second fixing part, the first and second fixing parts being arranged so as to cooperate together, the first fixing part including a first screw thread on the outer

face of the cover and the second fixing part including a second screw thread disposed on the inner face on the duct in the vicinity of the opening, so as to make it possible to hold the cover on the duct and assure the tightness of the casing.

5 In another embodiment of the invention, the cover preferably includes a lever-based closing system suitable for cooperating with a duct, the inner face of said duct being smooth, the closing system comprising a lever suitable for acting by compression on a toric joint and a blocking piece in contact with the opening of the duct and making it possible to block the cover on the duct in a leak-tight manner.

10 In another embodiment of the invention, the cover preferably comprises a bayonet-based closing system comprising two tabs, and the duct including grooves suitable for cooperating with the two tabs, the two tabs being blocked in the grooves by rotating the cover so as to allow a robust fixing between the cover and the duct and so as to make the casing leak-tight.

15 In another embodiment of the invention, the cover comprises a first fixing part and the duct comprises a second fixing part, the first and second fixing parts being arranged so as to cooperate together, the first fixing part including a first screw thread on the inner face of the cover and the second fixing part including a second screw thread disposed on the outer face on the duct in the vicinity of the opening, so as to make it possible to hold the cover on the duct and assure the tightness of the casing.

20 In one embodiment of the invention, the duct is slightly longer than the hole in the sole and protrudes slightly beyond the exterior of the sole so as to allow the cover with the first inner screw thread to be screwed onto the duct with the second outer screw thread.

25 In another embodiment of the invention, the cover comprises a rim with the first screw thread on the inner face of the cover, the diameter of the hole in the sole being slightly larger than the outer diameter at the opening of the duct so as to accommodate the cover during the screwing onto the second screw thread disposed in the outer face on the duct.

30 In another embodiment of the invention, the cover comprises a means for turning the cover relative to the sole, the means for turning the cover comprising a slot provided for insertion of a screwdriver or a coin so as to facilitate the screwing and unscrewing of

the cover.

In a preferred embodiment of the invention, the duct is elongate and cylindrical, the hole in the sole also being of a corresponding cylindrical shape, as are also the cover and the tube.

- 5 In another embodiment of the invention, the duct is elongate and of oval cross section, the hole in the sole also having a corresponding oval cross section, as do also the cover and the tube.

- In another embodiment of the invention, the duct is elongate and of rectangular cross section, the hole in the sole also having a corresponding rectangular cross section, as  
10 do also the cover and the tube.

In another embodiment of the invention, the duct is elongate and of rectangular cross section, the hole in the sole also having a corresponding rectangular cross section, as do also the cover and the tube.

- In accordance with a second aspect, the invention proposes a method for producing a  
15 footwear item with a device for storing information or an object, the method comprising the following steps:

- providing a footwear item comprising a sole comprising a front part and a rear part,
- forming a hole that opens onto the front part or the rear part of the footwear  
20 item,
- providing a casing comprising a duct including an opening, and a cover hermetically closing the opening of the duct so as to make the casing leak-tight, the casing being dimensioned such that it is suitable for insertion into the hole, the cover including a tube suitable for insertion into the duct via the opening and allowing  
25 the storage of information or an object,
- inserting the duct into the hole and fixing the duct to the sole so as to secure the duct and the sole permanently,
- fixing the tube on the cover permanently or removably, and
- fixing the cover on the duct.

- 30 In one embodiment of the invention, the production method preferably comprises the

successive steps of fixing the cover including the tube on the duct and then inserting the casing into the hole such that the cover closes the duct and the mouth of the hole.

In accordance with another aspect, the invention proposes a footwear item comprising a sole, the sole comprising a rear part, characterised in that the rear part of the sole  
5 includes a hole with a level or slanted bottom, following the shape of the sole and opening towards the rear of the footwear item, and in that the footwear item comprises a duct inserted into the hole in the sole, the duct storing information or objects.

It is also possible to provide other variants and to have soles including a hole at the front of the footwear item, opening towards the front of the footwear item, or a hole on  
10 the outer side of the rear part and opening towards the outside of the footwear item.

It is also possible to form this hole on the outside of the footwear item, extending across, with said hole opening towards the outside of the footwear item, in the rear part of the footwear item. The hole extends beyond the footwear item.

The hole can be formed in the rear of the sole, increasing the height of the rear of sole  
15 in the form of a beading as far as the base of the heel cup, or by increasing the length of the sole.

The hole can also be formed in the support by increasing the volume of the neck of the support.

Within the scope of the present invention, a footwear item "sole" is a part of the  
20 footwear item intended to be situated between the foot of the user of the footwear item and the ground.

### **Brief description of the figures**

Further features and advantages of the invention will become clear from reading the following detailed description. Also, in order to provide a clearer understanding of the  
25 invention, several preferred embodiments will be described hereinafter by way of example, with reference in particular to the accompanying figures, in which

- figure 1 shows a footwear item in one embodiment of the invention,
- figure 2 shows a side view of a rear part of a footwear item in one embodiment of the invention,
- 30 - figure 3 shows a side view of a rear part of a footwear item in one embodiment of

the invention,

- figure 4 shows a side view of a rear part of a footwear item in one embodiment of the invention,

- figure 5 shows a side view of a rear part of a footwear item in one embodiment of the invention,

- figure 6 shows a plan view of a rear part of a footwear item in one embodiment of the invention,

- figure 7 shows a side view of a rear part of a footwear item in one embodiment of the invention,

- figure 8 shows a side view of a duct and a cover in one embodiment of the invention,

- figure 9 shows a side view of a duct and a cover in one embodiment of the invention,

- figure 10 shows a side view of a duct and a cover in one embodiment of the invention,

- figure 11 shows a side view of a duct and a cover in one embodiment of the invention,

- figure 12 shows a side view of a duct and a cover in one embodiment of the invention,

- figure 13 shows a side view of a duct and a cover in one embodiment of the invention,

- figure 14 shows a schematic view of a rear part of a footwear item in one embodiment of the invention,

- figure 15 shows a schematic view of a rear part of a footwear item in one embodiment of the invention,

- figure 16 shows a side view of a duct in one embodiment of the invention,

- figure 17 shows a side view of a duct in one embodiment of the invention,

- figure 18 shows a side view of a cover in one embodiment of the invention,

- figure 19 shows a side view of a cover in one embodiment of the invention,

- figure 20 shows a plan view of a cover in one embodiment of the invention,

- figure 21 shows a side view of a cover in one embodiment of the invention,

- figure 22 shows a side view of a rear part of a footwear item, a duct and a cover in one embodiment of the invention,

- figure 23 shows a side view of a rear part of a footwear item, a duct and a cover in one embodiment of the invention,

- figure 24 shows a side view of a cover in one embodiment of the invention,

- figure 25 shows a side view of a rear part of a footwear item, a duct and a cover in

one embodiment of the invention,

- figure 26 shows a side view of a cover in one embodiment of the invention,
- figure 27 shows a side view of a rear part of a footwear item, a duct and a cover in one embodiment of the invention,
- 5 - figure 28 shows a plan view of a cover in one embodiment of the invention,
- figure 29 shows a view of a cover with tube in one embodiment of the invention,
- figure 30 shows a view of a cover with tube in another embodiment of the invention,
- figure 31 a-d shows a view of a cover with tube in one embodiment of the invention,
- figure 32 shows a view of a cover with tube in one embodiment of the invention,
- 10 - figure 33 shows a view of a cover with tube in one embodiment of the invention,
- figure 34 a-d shows a view of a cover with tube in one embodiment of the invention.

### **Embodiments of the invention:**

The present invention is described on the basis of particular embodiments and with reference to the figures, however the invention is not limited thereto. The drawings or  
15 figures described are merely schematic and are not limiting. Figure 1 shows a footwear item (0) in one embodiment of the invention.

The footwear item (0) comprises a sole (1), the rear part (101) of which is visible in figure 1. The rear part (101) of the sole is intended to support the heel of a user of the footwear item. The rear part (101) of the sole preferably comprises a heel. The sole (1)  
20 also comprises a front part (201), which is intended to support in particular the toes of a user. The rear part (101) of the sole (1) is preferably thicker than the front part (201) of the sole.

The rear part (101) of the sole (1) comprises a hole (2) which opens towards the rear of the footwear item (0). The hole (2) is preferably situated in the heel of the footwear item  
25 (0).

As can be seen in figure 7, the footwear item (0) comprises a duct (3) which can be inserted manually into the hole (2). The duct (3) also comprises a cover (4) closing the opening (153) of the duct (3). The duct (3) and the cover (4) together form a leak-tight casing (3, 4).

30 The casing (3 and 4) has a first face, turned towards the mouth (153) of the hole when the casing is in place inside the hole (2), and a second face, opposite the first face, for closing the casing.

The casing (3 and 4) is preferably cylindrical, in which case the casing preferably has a diameter between 0.5 and 2.0 cm, more preferably between 1.0 and 1.5 cm.

The casing (3 and 4) preferably has a length between 1.0 and 10.0 cm, more preferably between 3.0 and 7.0 cm, even more preferably between 4.0 and 6.0 cm.

- 5 The hole (2) is preferably substantially parallel to the inner side of the sole and the duct (3) is preferably also installed so as to be substantially parallel to the inner side of the sole, such that the casing (3 and 4) points towards the rear in a substantially horizontal direction when the footwear item is placed flat on the ground.

The footwear item (0) can be a footwear item with a flat heel, with a heel, with a high heel, or with additional soles.

Figures 7 to 11 show a cover (4) intended to close the mouth (153) of the hole, moreover in an entirely leak-tight manner, so as to prevent water or dirt from entering the duct (3).

The cover (4) has a first face, turned towards the rear when the cover (4) is in place over the mouth (153) of the hole, and a second face, opposite the first face, and thus facing the first face of the casing when the cover (4) closes the hole in which the casing is inserted. The first face and the second face of the cover (4) are separated by a length of the cover.

#### **Technical description of the duct, and fixing thereof:**

20 As can be seen in figure 7, the duct (3) also comprises a cover (4) closing the opening of the duct (153) so as to form a leak-tight casing. The cover (4) is designed to close the opening in a leak-tight manner.

The duct (3) can be provided in different shapes: cylindrical (123), oval (223), rectangular (323), octagonal (423), and can be provided in different sizes.

25 As shown in figure 8, if the duct (3) is elongate and cylindrical in shape (123), the hole (2) in the sole (1) will also be of a corresponding cylindrical shape (122), as will also the cover (124) and the tube (125). In accordance with one embodiment of the invention (not shown), the duct (3) and the tube are conical in shape, and the hole (2) in the sole (1) will also be of a corresponding conical (122) shape.

30 As shown in figure 9, if the duct (3) is elongate and oval (223) in cross section, the hole (2) in the sole (1) will also be of a corresponding cylindrical cross section (222), as will

also the cover (224) and the tube (225).

As shown in figure 10, if the duct (3) is elongate and rectangular (323) in cross section, the hole (2) in the sole (1) will also be of a corresponding rectangular cross section (322), as will also the cover (324) and the tube (325).

- 5 As shown in figure 11, if the duct (3) is elongate and octagonal (423) in cross section, the hole (2) in the sole (1) will also be of a corresponding octagonal cross section (422), as will also the cover (424) and the tube (425).

- 10 The duct (3) and also the cover (4) can be made on the basis of any sort of impermeable (metal, aluminium, stainless steel, any sort of plastic, carbon, rubber, etc.).

The duct (3) is preferably smooth on the inner face (143) so as to allow the tube incorporating the objects to be easily inserted and removed.

The duct (3) is fixed permanently in the sole (1) of the footwear item by anchoring means.

- 15 In accordance with a preferred embodiment of the invention shown in figure 12, the outer face of the duct comprises bumps (233) so as to form a means for anchoring the duct (3) in the hole (112, 212) of the sole (1) and so as to make it possible to fix the duct (3) to the sole (1) so as to secure them permanently. These bumps (233) of half-moon shape are open towards the opening of the duct (153) and solid towards the  
20 closed part of the duct (353). When the duct (3) is inserted into the hole (2), said duct slides easily as far as the bottom of the hole.

The bumps (233) then block the duct (3) in the hole (2) and prevent it from being removed, such that the duct (3) is permanently joined to the sole (2).

- 25 In accordance with the embodiment shown in figure 12, the hold of the duct (3) in the hole (2) of the sole (1) can be further reinforced advantageously by glue.

The duct (3) can be fixed, for example to the sole (1), by another adhesive fixing means, cement, soldering, or by other fusing techniques.

- 30 In accordance with another preferred embodiment of the invention shown in figures 13 to 15, the outer face of the duct comprises barbs (fins) (333) so as to form a means for anchoring the duct (3) in the hole (112, 212) of the sole (1) and so as to make it possible to fix the duct (3) to the sole (1) so as to secure them permanently. These barbs (333) are suitable for preventing the duct (3) from being removed from the hole

(2) after having been inserted thereinto.

As can be seen in figure 14, the inner wall (102) of the hole (2) in the sole can be smooth, and only the outer part of the duct (3) contains barbs (333).

As can be seen in figure 15, in accordance with another embodiment, the inner wall  
5 (202) of the hole (2) contains the same barbs (202), which cooperate with barbs (333) on the outer part of the duct (3) so as to anchor and fix the duct (3) to the sole (1) and so as to secure them permanently.

In accordance with the embodiment shown in figures 14-16, the hold in the hole (2) of the sole (1) can be further reinforced advantageously by glue.

10 In accordance with another preferred embodiment of the invention shown in figure 16, the duct (3) comprises, at the end situated in the vicinity of the bottom of the hole (232), a flexible system formed of a plurality of elements of pointed shape (433), preferably four elements (433). As the duct is inserted into the hole (2), the pointed elements (433), which are flexible, can be depressed inwardly so as to facilitate the insertion  
15 thereof into the hole (2). By then inserting a cylinder (not shown) into the duct (3), during the manufacture of the footwear item, the various pointed elements (433) extend outwardly and are wedged in the sole (1) so as to remain blocked there and thus fix the duct (3) to the sole (1), these parts being secured permanently.

In accordance with the embodiment shown in figure 16, the hold in the hole (2) of the  
20 sole (1) can be further reinforced advantageously by glue.

The anchoring means of the duct (3) in the presented embodiments can be combined with one another.

The hold in the hole of the sole (1) as further reinforced by glue.

In accordance with another preferred embodiment of the invention shown in figure 17,  
25 the duct is smooth (133) and is fixed in the hole (2) of the sole (1) thanks to the glue. The duct (3) and the sole (1) are secured permanently solely by glue.

#### **Description and fixing of the cover to the duct:**

Figures 18 to 27 show the cover (4) hermetically closing the mouth of the duct (3) so as to allow robust fixing between the cover (4) and the duct (3) and so as to make the  
30 casing leak-tight.

The cover (4) preferably comprises a first fixing part, and the duct (3) comprises a second fixing part, the first and second fixing parts being arranged so as to cooperate together. This makes it possible to obtain a robust and leak-tight fixing between the cover (4) and the duct (3).

- 5 In a preferred embodiment of the invention shown in figure 18, the cover (4) comprises flexible toric lamellae (114) on the outer face, suitable for cooperating with a duct (3), the inner face of said duct (3) being smooth (143).

The cover (4) comprises flexible toric lamellae (114) on the outer face. By inserting the cover (4) into the duct (3) until the opening of the duct (153) contacts the base of the cover (104), the lamellae (114) can be folded slightly, thus creating a resistance which  
10 makes removal of the cover (4) difficult for a child whilst ensuring the tightness of the casing.

In order to remove the cover (4), it is suffice for the person to pull strongly on it by means of a grip (414) situated on the base of the cover (104).

- 15 In a preferred embodiment of the invention shown in figure 21, the cover (4) is formed by a lever-based closing system (134), suitable for cooperating with a duct (3), the inner face of said duct being smooth (143).

This system (134) comprises a pin (1134) connected between a plate (2134), at the lower base (3134), and a lever (4134), at the head of the rod (5134). An O-ring (6134)  
20 made of rubber and a blocking piece (7134) in contact with the opening of the duct (153) are positioned between these two parts. When the closing system (134) is in contact with the opening of the duct (153) and therefore the body of the part (8134) is introduced into the duct (3), by pivoting the lever (4134) through 90 degrees relative to the duct (3), the pad (2134) approaches the blocking piece (7134) and thus  
25 compresses the rubber O-ring (6134). The diameter of said O-ring increases and thus tightly blocks the lever-based closing system (134) in the duct (3).

In a preferred embodiment of the invention, shown in figures 19, 20 and 22, the cover (4) comprises a first screw thread on the outer face (214) and the duct (3) comprises a second screw thread on the inner face around the mouth (243) of the duct, so as to  
30 correspond to the first screw thread when the cover (4) closes the opening of the duct (153).

The first screw thread (214) screws into the second screw thread (243) when the cover (4) is screwed to the opening (243) and this screwing makes it possible to obtain a leak-tight fixing, which is easy to open for an adult but is relatively difficult to open for a child.

- 5 The cover (4) preferably comprises a means (164) for turning the cover (4) relative to the sole (1). This makes the screwing and unscrewing easier. The means (164) for turning the cover relative to the sole comprises a slot (164) intended for the insertion of a coin or a screwdriver.

- 10 In a preferred embodiment of the invention shown in figure 23, the fixing comprises a bayonet-based closing system (144). The end of the duct (3) contains grooves (443). The cover comprises two lugs (1144). By coupling the duct (3) and the cover (4) with bayonet-based closing system (144), the two lugs (1144) are in contact with the grooves (443). By pivoting the cover, the two lugs (1144) are blocked in the grooves (443) so as to allow robust fixing between the cover (4) and the duct (3) and for making  
15 the casing leak-tight.

The cover (4), in accordance with the embodiment shown in figure 23, preferably comprises a means for turning the cover (4) relative to the sole (1). This makes the screwing and unscrewing easier. The means for turning the cover relative to the sole comprises a slot intended for the insertion of a coin or a screwdriver (164).

- 20 In a preferred embodiment of the invention shown in figures 24 and 25, the cover (4) comprises a rim (204) with a first screw thread on the inner face (314), and the duct (213) comprises a second screw thread disposed around the opening on the outer face (343), so as to correspond to the first screw thread when the cover (4) closes the opening of the duct (153), with the duct being slightly longer than the hole in the sole  
25 and protruding slightly beyond the outside of the sole (213).

This screwing makes it possible to obtain a robust and leak-tight fixing, which is easy to open for an adult, but relatively difficult to open for a child.

- 30 The cover (4), in accordance with the embodiment shown in figure 25, preferably comprises a means for turning the cover (4) relative to the sole (1). This makes the screwing and unscrewing easier. The means for turning the cover relative to the sole comprises a slot (164) intended for the insertion of a coin or a screwdriver.

In a preferred embodiment of the invention shown in figures 26-28, the duct (3) is fully inserted into the sole (113). At the opening of the duct (153), the diameter of the hole (132) in the sole is slightly larger than the outer diameter (253) of the hole of the duct so as to accommodate the cover (4) during the screwing.

- 5 The cover (4) comprises a rim (204) with a first screw thread on the inner face of the cover (314), and the duct (113) comprises a second screw thread disposed around the mouth of the duct on the outer face (343), so as to correspond to the first screw thread when the cover closes the opening of the duct (153).

This screwing makes it possible to obtain a robust and leak-tight fixing, which is easy to  
10 open for an adult, but relatively difficult to open for a child.

The cover (4), in accordance with the embodiment shown in figure 27, preferably comprises a means (164) for turning the cover (4) relative to the sole (1). This makes the screwing and unscrewing easier. The means (164) for turning the cover relative to the sole comprises a slot intended for the insertion of a coin or a screwdriver.

- 15 The base of the cover (104) which contains the slot advantageously has a diameter of 3 mm larger than that of the body of the cover.

When the cover (4) is screwed to the duct (3), the base of the cover (104) is in contact with the sole (1) and thus prevents any dirt or liquid from penetrating between the sole (1) and the duct (3).

## 20 **Technical description of the tube:**

In accordance with the preferred embodiments of the invention shown in figures 7, 18, 19 and 21 to 34, the tube (5) is of elongate form and is suitable for insertion into the duct (3) by being fixed on the base (104) of the cover (4).

- The tube (5) is preferably inserted into the hole (2) so as to be removable. It is easier to  
25 insert documents or objects into the tube (5), and to remove documents or objects therefrom, when said tube is held in the hand.

So as to be able to insert and fix the tube (5) more easily into the hole (2) in the sole, this hole (2) is associated with a duct (3) that is preferably sealed on one side and open on the other.

In a preferred embodiment of the invention shown in figures 29 to 34, the tube (5) inserted into the duct (3) can be fixed permanently (105) or removably (205) on the base of the cover (104). It can thus be inserted and removed manually from the duct (3) at the same time as the cover (4). The tube (5) and the base of the cover (104) can also be formed in one piece.

When the cover (4) is fixed on the duct (3), the tube (5) fills the inner part of the duct (3) from one end to the other. The duct (3) and the tube (5) preferably have a length between 1.0 and 10.0 cm, more preferably between 3.0 and 7.0 cm, even more preferably between 4.0 and 6.0 cm.

10 The tube (5) can be made of different materials, such as metal, aluminium, stainless steel, carbon, or a rigid plastics material. The tube (5) preferably can be made of a transparent material so as to be able to see the content thereof.

The tube (5) can be fixed removably (205) to the inner face of the cover (154) so as to be able to be detached if desired.

15 In a preferred embodiment of the invention shown in figures 31 and 34, the removable fixing comprises a bayonet-type closing system, with bayonets (155, 255) situated on the inner face (215) or on the outer face (115) of the tube (5) depending on whether the groove openings (preferably approximately 0.5 mm tall) are oriented towards the outer face (354) of the cover or towards the inner face (254) of the cover, respectively.

20 For example, if the grooves (254) are open towards the inner face of the cover, one end of the tube comprises two flat lugs (255) situated outside the tube. By coupling the tube and the cover, the two flat lugs (255) are positioned between the grooves (254). By pivoting the tube in one direction, the two lugs (255) are accommodated and blocked beneath the grooves (254).

25 As can be seen in figure 30, the tube (5) can be obstructed at its other end by a removable cap (135) so as to close and block the information or objects disposed in the tube (5). The head of this cap (1135) preferably has a diameter slightly larger than its body (2135) so as to be easily removed from the tube (5). This removable cap (135) is suitable for sealing the opening of the open tube (245).

30 In accordance with another preferred embodiment of the invention shown in figure 29,

the tube with removable fixing (205) can also be closed by an end face (145) at the opening of the tube so as to obtain a closed tube (145).

## Summary

| Part                  | Specification                             | Reference  | Figure(s)             |
|-----------------------|-------------------------------------------|------------|-----------------------|
| <b>Footwear item:</b> |                                           | <b>0</b>   | 1, 7                  |
|                       | rear of the footwear item                 | <b>100</b> | 1 to 6                |
|                       | front of the footwear item                | <b>200</b> | 1                     |
|                       | outer side of the footwear item           | <b>300</b> | 2, 3, 4, 5, 6         |
| <b>Sole base:</b>     |                                           |            |                       |
|                       |                                           | <b>1</b>   | 1, 7                  |
|                       | rear part                                 | <b>101</b> | 1, 14, 15             |
|                       | front part                                | <b>201</b> | 1                     |
|                       | tail of the sole                          | <b>301</b> | 4                     |
|                       | tail of the sole in the form of a beading | <b>401</b> | 3                     |
|                       | heel cup of the footwear item             | <b>501</b> | 3, 5, 6               |
|                       | anterior part                             |            |                       |
|                       |                                           |            |                       |
| <b>Hole:</b>          |                                           | <b>2</b>   | 2, 3, 4, 5, 7, 14, 15 |
|                       | smooth                                    | <b>102</b> | 7, 14                 |
|                       | barbs                                     | <b>202</b> | 15                    |
|                       |                                           |            |                       |
|                       | horizontal                                | <b>112</b> | 1                     |
|                       | slanted                                   | <b>212</b> | 1                     |
|                       |                                           |            |                       |
|                       | round                                     | <b>122</b> | 8                     |
|                       | oval                                      | <b>222</b> | 9                     |
|                       | rectangular                               | <b>322</b> | 10                    |
|                       | octagonal                                 | <b>422</b> | 11                    |
|                       |                                           |            |                       |
|                       | hole diameter larger than opening         | <b>132</b> | 27, 28                |
|                       | hole bottom                               | <b>232</b> | 1                     |
|                       |                                           |            |                       |
|                       |                                           | <b>3</b>   | 7, 12 to 17, 22       |
| <b>Duct:</b>          |                                           |            |                       |

|                                       |            |                               |
|---------------------------------------|------------|-------------------------------|
|                                       |            |                               |
| fully inserted                        | <b>113</b> | 27                            |
| slightly outside the sole             | <b>213</b> | 25                            |
|                                       |            |                               |
| round                                 | <b>123</b> | 8                             |
| oval                                  | <b>223</b> | 9                             |
| rectangular                           | <b>323</b> | 10                            |
| octagonal                             | <b>423</b> | 11                            |
|                                       |            |                               |
| outer finish of the duct              |            |                               |
| smooth                                | <b>133</b> | 17                            |
| bumps                                 | <b>233</b> | 12                            |
| barbs                                 | <b>333</b> | 13, 14, 15                    |
| 4 pointed elements                    | <b>433</b> | 16                            |
|                                       |            |                               |
| totally smooth interior               | <b>143</b> | 12, 13, 16, 17                |
| interior with screw thread at the end | <b>243</b> | 22                            |
| screw thread externally at the end    | <b>343</b> | 25, 27                        |
| groove end                            | <b>443</b> | 23                            |
|                                       |            |                               |
| duct opening                          | <b>153</b> | 7, 12, 13, 16, 17, 22, 25, 27 |
| duct diameter                         | <b>253</b> | 27, 28                        |
| obstructed part of the duct           | <b>353</b> | 12, 13, 16, 17                |
|                                       |            |                               |
|                                       |            |                               |
| <b>Cover:</b>                         | <b>4</b>   | 7, 22, 24, 25, 26, 27, 29, 30 |
| base of the cover                     | <b>104</b> | 18, 19, 21, 26, 29 to 34      |
| rim of the cover                      | <b>204</b> | 24, 26, 29, 30, 31, 34        |
|                                       |            |                               |
| toric lamellae                        | <b>114</b> | 18                            |
| outer screw thread                    | <b>214</b> | 19, 22, 32, 33                |
| inner screw thread                    | <b>314</b> | 24, 26                        |
| cover grip                            | <b>414</b> | 18, 19, 32, 33                |
|                                       |            |                               |

|       |                                      |             |                               |
|-------|--------------------------------------|-------------|-------------------------------|
| Tube: | round                                | <b>124</b>  | 8                             |
|       | oval                                 | <b>224</b>  | 9                             |
|       | rectangular                          | <b>324</b>  | 10                            |
|       | octagonal                            | <b>424</b>  | 11                            |
|       |                                      |             |                               |
|       | lever-based closing system           | <b>134</b>  | 21                            |
|       | pin                                  | <b>1134</b> | 21                            |
|       | pad                                  | <b>2134</b> | 21                            |
|       | lower base                           | <b>3134</b> | 21                            |
|       | lever                                | <b>4134</b> | 21                            |
|       | bar head                             | <b>5134</b> | 21                            |
|       | toric joint                          | <b>6134</b> | 21                            |
|       | blocking part                        | <b>7134</b> | 21                            |
|       | body of the part                     | <b>8134</b> | 21                            |
|       |                                      |             |                               |
|       | bayonet-type closing system          | <b>144</b>  | 23                            |
|       | two lugs                             | <b>1144</b> | 23                            |
|       |                                      |             |                               |
|       | inner face of the cover              | <b>154</b>  | 24, 26, 31, 34                |
|       | slides, opening towards the interior | <b>254</b>  | 31                            |
|       | slides, opening towards the exterior | <b>354</b>  | 34                            |
|       | slot for insertion of a screwdriver  | <b>164</b>  | 20, 22, 27                    |
|       |                                      | <b>5</b>    | 7, 18, 19, 21 to 27, 29 to 34 |
|       |                                      |             |                               |
|       | tube with fixed fixing               | <b>105</b>  |                               |
|       | tube with removably fixing           | <b>205</b>  | 29, 3                         |
|       | cover-tube connection                | <b>305</b>  | 18, 19, 21, 32, 33, 34        |
|       |                                      |             |                               |
|       | exterior bayonet-based tube fixing   | <b>115</b>  | 31                            |
|       | interior bayonet-based tube fixing   | <b>215</b>  | 34                            |
|       |                                      |             |                               |
|       | round tube                           | <b>125</b>  | 8                             |
|       | oval tube                            | <b>225</b>  | 9                             |
|       | rectangular tube                     | <b>325</b>  | 10                            |

|                      |             |        |
|----------------------|-------------|--------|
| octagonal tube       | <b>425</b>  | 11     |
|                      |             |        |
| removable tube cap   | <b>135</b>  | 30     |
| cap head             | <b>1135</b> | 30     |
| cap body             | <b>2135</b> | 30     |
|                      |             |        |
| closed tube          | <b>145</b>  | 29, 32 |
| open tube            | <b>245</b>  | 30, 33 |
|                      |             |        |
| tube with inner lugs | <b>155</b>  | 34     |
| tube with outer lugs | <b>255</b>  | 31     |

The present invention is not in any way limited to the embodiment described by way of example and shown in the drawings. Numerous modifications of the details, shapes and dimensions could be made without departing from the scope of the invention. The present invention has been described with reference to specific embodiments which are purely illustrative and should not be considered limiting. The reference numbers in the claims do not limit the scope thereof.

**Claims**

1. A footwear item with device for storing information or an object, comprising a sole (1), the sole (1) including a front part (201) and a rear part (101), wherein the sole (1) includes a hole (2) that opens onto the front part (200) or the rear part (100) of the footwear item (0), and in that the footwear item (0) comprises a casing (3, 4) inserted into the hole (2) of the sole (1),

the casing (3, 4) comprising a duct (3) suitable for insertion into the hole (2) in the sole (1), the duct (3) including an opening (153) and being fixed in the hole (2) in the sole (1) so as to secure the duct (3) to the sole (1) permanently,

and the duct (3) being equipped with a cover (4),

the cover (4) including a tube (5) suitable for insertion into the duct (3) via the opening (153) and allowing the storage of information or an object,

characterised in that the cover (4) hermetically closes the opening (153) of the duct (3) in order to make the casing (3, 4) leak-tight, and in that

the duct (3) also comprises an anchoring means (233, 333, 433) integrated in the duct (3), the anchoring means (233) being suitable for fixing the duct (3) in the hole (2) in the sole (1) and for securing the duct (3) to the sole (1) permanently, and in that

- a) either the opening of the tube is open (245) and the tube (5) is obstructed at the opening by a removable cap (135) making it possible to close and block the information or object disposed in the tube (5), the cap (135) including a cap head (1135) having a diameter slightly larger than the body (2135) of the cap (135) suitable for insertion in said tube (5),
- b) or the opening of the tube (5) is closed by an end face (145) so as to obtain a closed tube making it possible to close off and block the information or object disposed in the tube (5).

2. The footwear item according to claim 1, wherein the tube (5) is fixed permanently (105) or removably (205) on a base (104) of the cover (4), the tube (5) being inserted or removed manually into/from the duct (3) at the same time as the cover (4).

3. The footwear item according to claim 1 or 2, wherein the tube (5) is made of a transparent material so as to be able to see the content thereof.

4. The footwear item according to any one of the preceding claims, wherein the tube (5) is fixed removably to the base (104) of the cover (4), the fixing comprising a bayonet-based closure system, formed by flat tabs (1255, 255) situated at one end of the tube

cooperating with grooves (254, 354) situated in the base (104) of the cover (4), the flat tabs (155, 255) engaging with or disengaging from the grooves (254, 354) in order to fix and separate the tube (5) to/from the cover (4) respectively.

5. The footwear item according to claim 4, wherein the flat tabs (155) are preferably situated on an inner face (215) at one end of the tube, and the corresponding grooves (354) are situated on an outer face of the cover (4).

6. The footwear item according to claim 4, wherein the flat tabs (255) are preferably situated on an outer face (115) at one end of the tube, and the corresponding grooves (254) are situated on an inner face of the cover (4).

7. The footwear item according to claim 1, wherein the anchoring means (233) includes bumps (233) on the outer face of the duct (3) so as to make it possible to anchor the duct (3) in the hole (2) in the sole (1) so as to secure said parts permanently, the bumps (233) being provided in a half-moon shape, open towards the opening (153) of the duct (3) and solid towards the closed part (353) of the duct (3) so as to facilitate the insertion of the duct (3) into the hole (2) and prevent said duct (3) from then being removed.

8. The footwear item according to claim 1 or 7, wherein the anchoring means (333) includes barbs (333) on the outer face of the duct (3) so as to make it possible to anchor the duct (3) in the hole (2) in the sole (1) so as to secure said parts permanently, the barbs (333) pointing towards the opening (153) of the duct (3) so as to facilitate the insertion of the duct (3) into the hole (2) and prevent said duct (3) from then being removed.

9. The footwear item according to claim 8, wherein an inner wall (102) of the hole (2) in the sole includes barbs (202) which point towards the bottom (232) of the hole (2) and which cooperate with barbs (333) on the outer part of the duct (3) for anchoring the duct (3) to the sole (1) and preventing said duct (3) from then being removed.

10. The footwear item according to any one of claims 1 to 9, wherein the anchoring means (433) includes a flexible system (433) at the end of the duct (3) situated in the vicinity of the closed part (353), the flexible system comprising a plurality of elements with a pointed shape (433) for allowing the duct (3) to be anchored in the hole (2) in the sole (1) so as to secure said parts permanently, the pointed flexible elements (433) being suitable for being depressed towards the interior of the duct (3) and facilitating insertion

thereof into the hole (2), and for extending out towards the outside of the duct (3) so as to be wedged in the sole (1) and remain blocked there.

11. Footwear item according to any one of preceding claims 1 to 10, wherein the anchoring means comprises glue for reinforcing the permanent fixing of the duct (3) and the sole (1).

12. The footwear item according to any one of the preceding claims, wherein the cover (4) preferably comprises flexible toric lamellae (114) on the outer face suitable for cooperating with the duct (3), the inner face (143) of the duct being smooth so as to hold the cover (4) on the duct (3) and ensure the tightness of the casing (3, 4).

13. The footwear item according to any one of preceding claims 1 to 11, wherein the cover (4) comprises a first fixing part (214) and the duct (3) comprises a second fixing part (243), the first (214) and second (243) fixing parts being arranged so as to cooperate together, the first fixing part including a first screw thread (214) on the outer face (214) of the cover (4) and the second fixing part (243) including a second screw thread (243) disposed on the inner face on the duct (3) in the vicinity of the opening (153), so as to make it possible to hold the cover (4) on the duct (3) and assure the tightness of the casing (3, 4).

14. The footwear item according to any one of claims 1 to 11, wherein the cover (4) includes a lever-based closing system (134) suitable for cooperating with the duct (3), the inner face of said duct (3) being smooth (143), the closing system (134) comprising a lever (4134) suitable for acting by compression on a toric joint (6134) and a blocking piece (7134) in contact with the opening (153) of the duct (3) and making it possible to block the cover (4) on the duct (3) in a leak-tight manner.

15. The footwear item according to any one of claims 1 to 11, wherein the cover (4) comprises a bayonet-based closing system (144) including two tabs (1144), and the duct (3) including grooves (443) suitable for cooperating with the two tabs (1144), the two tabs (1144) being blocked in the grooves (443) by rotating the cover (4) so as to allow a robust fixing between the cover (4) and the duct (3) and so as to make the casing leak-proof.

16. The footwear item according to any one of preceding claims 1 to 11, wherein the cover (4) comprises a first fixing part (314) and the duct (3) comprises a second fixing part (343), the first (314) and second (343) fixing parts being arranged so as to cooperate together, the first fixing part including a first screw thread (314) on the inner face (314)

of the cover (4) and the second fixing part (243) including a second screw thread (343) disposed on the outer face on the duct (3) in the vicinity of the opening (153), so as to make it possible to hold the cover (4) on the duct (3) and assure the tightness of the casing (3, 4).

17. The footwear item according to claim 16, wherein the duct (3) is slightly longer than the hole (132) in the sole (213) and protrudes slightly beyond the exterior of the sole (213) so as to allow the cover (4) with the first inner screw thread (314) to be screwed onto the duct (3) with the second outer screw thread (343).

18. The footwear item according to claim 16, wherein the cover (4) comprises a rim (204) with the first screw thread (314) on the inner face of the cover (4), the diameter of the hole (132) in the sole being slightly larger than the outer diameter (253) at the opening of the duct (153) so as to accommodate the cover (4) during the screwing onto the second screw thread (343) disposed in the outer face on the duct (3).

19. The footwear item according to any one of the preceding claims, wherein the cover (4) comprises a means (164) for turning the cover (4) relative to the sole (1), the means (164) for turning the cover (4) comprising a slot (164) provided for insertion of a screwdriver or a coin so as to facilitate the screwing and unscrewing of the cover (4).

20. The footwear item according to any one of the preceding claims, wherein

- the duct (3) is elongate and cylindrical in shape (123), the hole (2) in the sole (1) also being of a corresponding cylindrical shape (122), as is also the cover (124) and the tube (125);

- or the duct (3) is elongate and oval in cross section (223), the hole (2) in the sole (1) also being of a corresponding oval cross section (222), as is also the cover (224) and the tube (225);
- or the duct (3) is elongate and rectangular in cross section (323), the hole (2) in the sole (1) also being of a corresponding rectangular cross section (322), as is also the cover (324) and the tube (325);
- or the duct (3) is elongate and octagonal in cross section (423), the hole (2) in the sole (1) also being of a corresponding octagonal cross section (422), as is also the cover (424) and the tube (425).

21. A method for producing a footwear item (0) with a device for storing information or an object, the method comprising the following steps:

- providing a footwear item (0) comprising a sole (1), the sole (1) comprising a front part (201) and a rear part (101),
- forming a hole (2) that opens onto the front part (200) or the rear part (100) of the footwear item (0),
- providing a casing (3, 4) comprising a duct (3) including an opening (153), the duct (3) being equipped with a cover (4) hermetically closing the opening (153) of the duct (3) in order to make the casing (3, 4) leak-tight,
- the casing (3, 4) being dimensioned such that it is suitable for insertion into the hole (2), the cover (4) including a tube (5) suitable for insertion into the duct (3) via the opening (153) and allowing the storage of information or an object,
- inserting the duct (3) into the hole (2) and fixing the duct (3) to the sole (1) in order to secure the duct (3) and the sole (1) permanently, the duct (3) also comprising an anchoring means (233, 333, 433) integrated in the duct (3), the anchoring means (233) being suitable for fixing the duct (3) in the hole (2) in the sole (1) and for securing the duct (3) to the sole (1) permanently,
- fixing the tube (5) to the cover (4) permanently (105) or removably (205), wherein:
  - either the opening of the tube is open (245) and the tube (5) is obstructed at the opening by a removable cap (135) making it possible to close and block the information or object disposed in the tube (5), the cap (135) including a cap head (1135) having a diameter slightly larger than the body (2135) of the cap (135) suitable for insertion in said tube (5),
  - or the opening of the tube (5) is closed by an end face (145) so as to obtain a closed tube making it possible to close off and block the information or object disposed in the tube (5),
- and
- fixing the cover (4) on the duct (3).

22. The production method according to claim 21, further comprising the successive steps of:

- fixing the cover (4) including the tube (5) to the duct (3), and then
- inserting the casing (3, 4) into the hole (2) such that the cover (4) closes the duct (3) and the mouth of the hole (3).



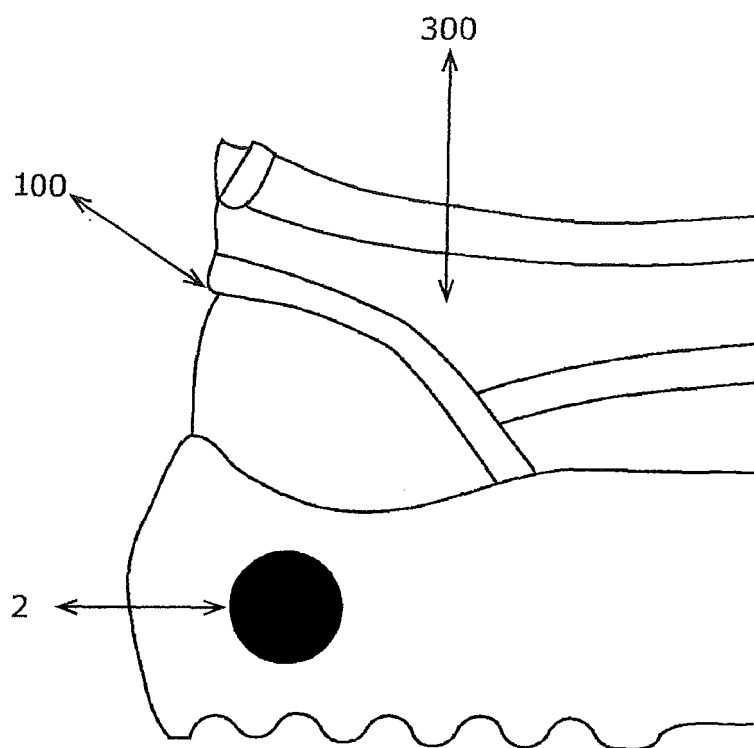
**Fig.2**

**Fig.3**

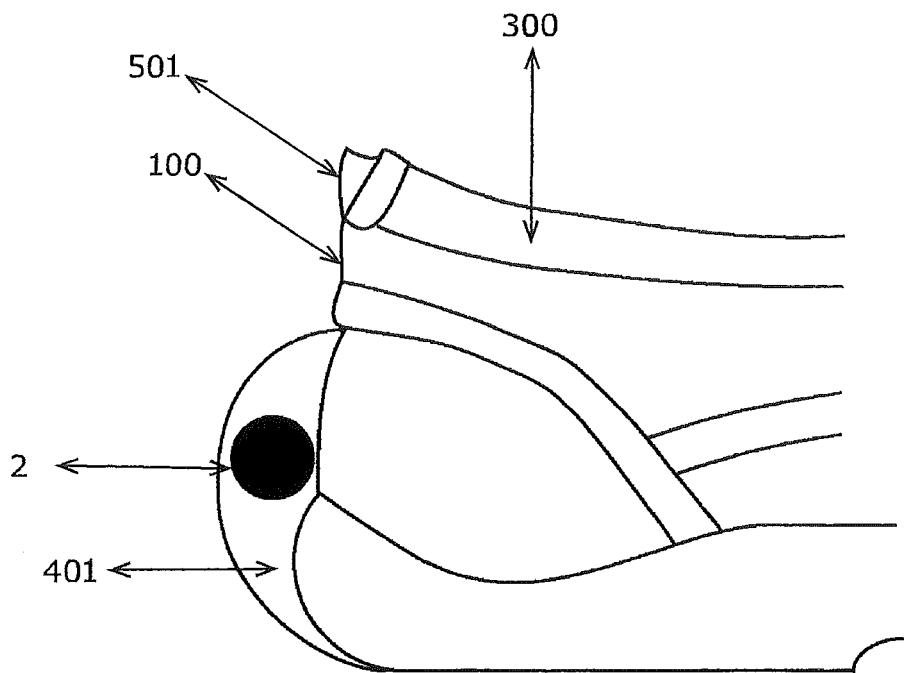


**Fig.4**

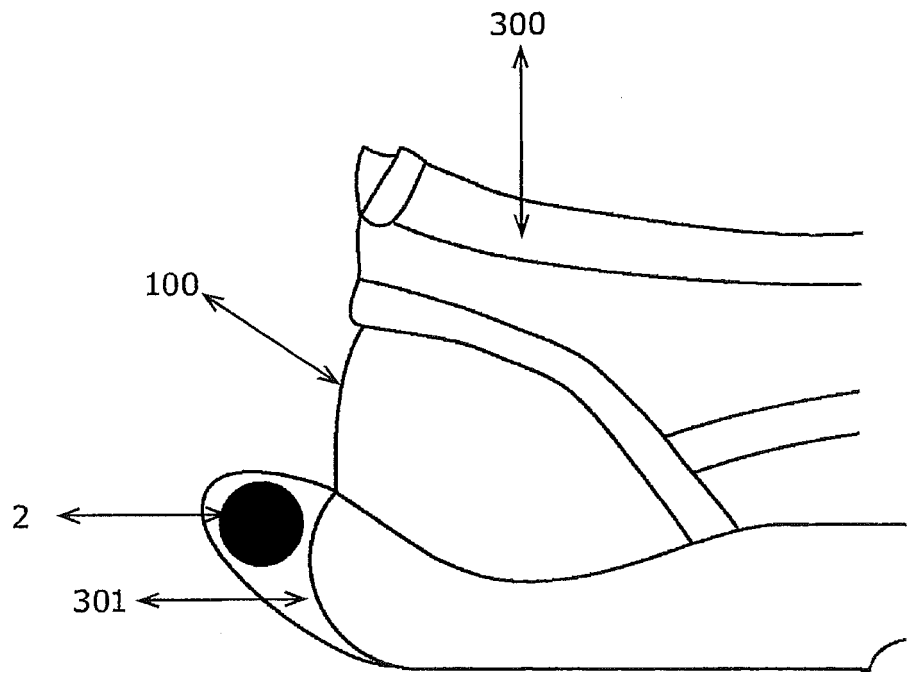


Fig.5

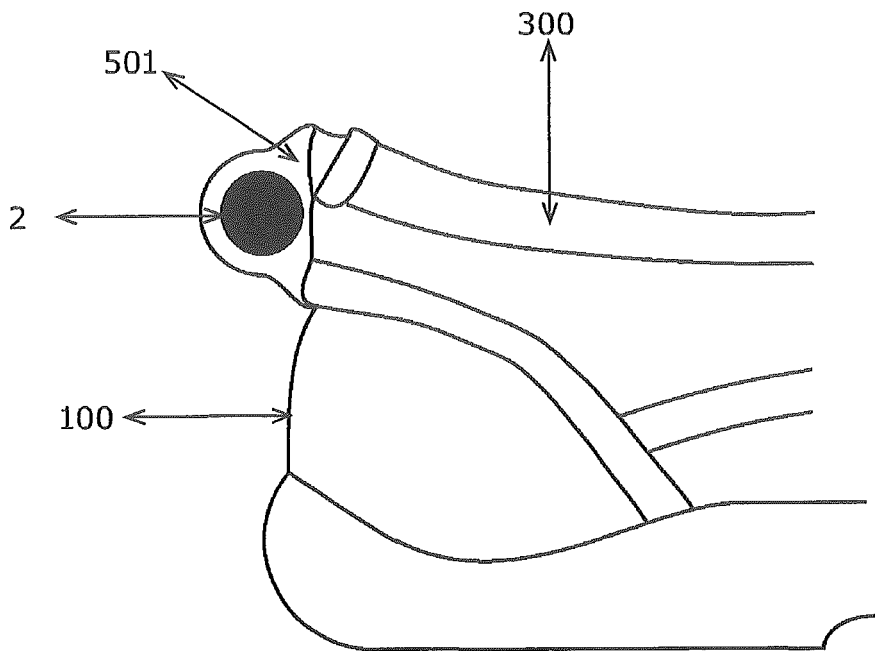


Fig.6

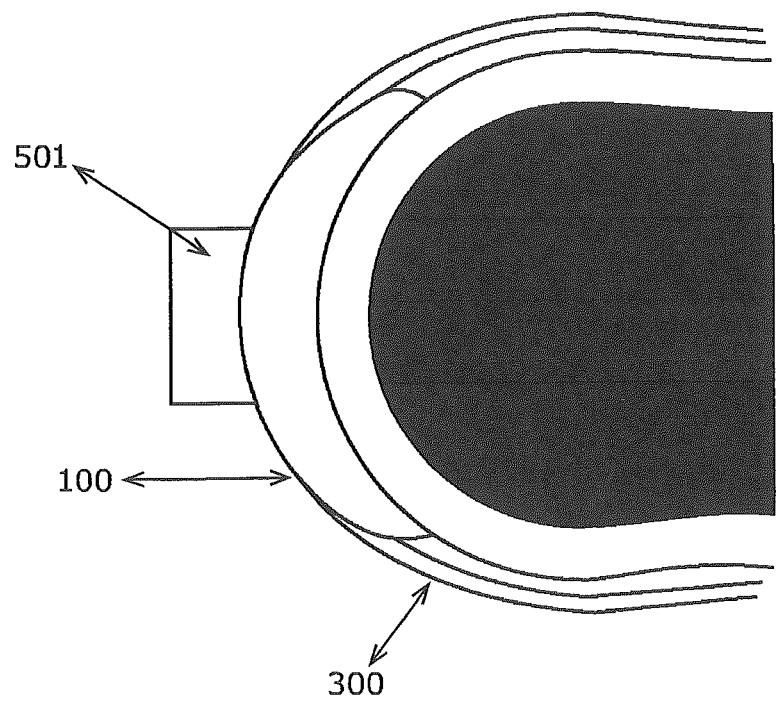


Fig.7

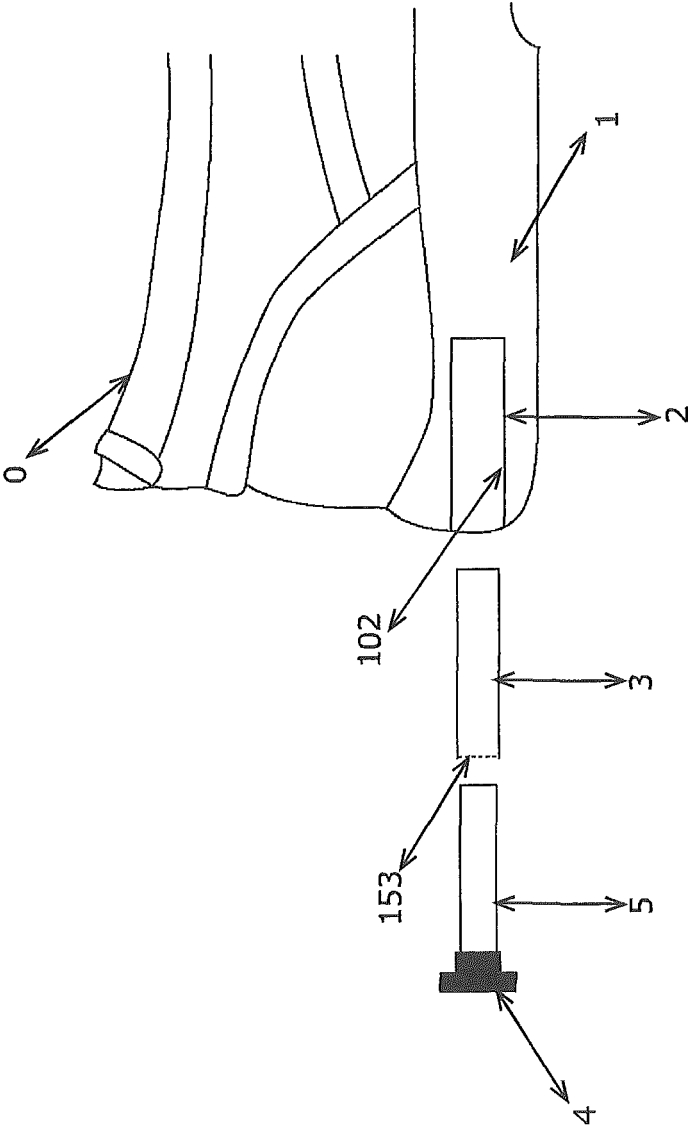


**Fig.8**

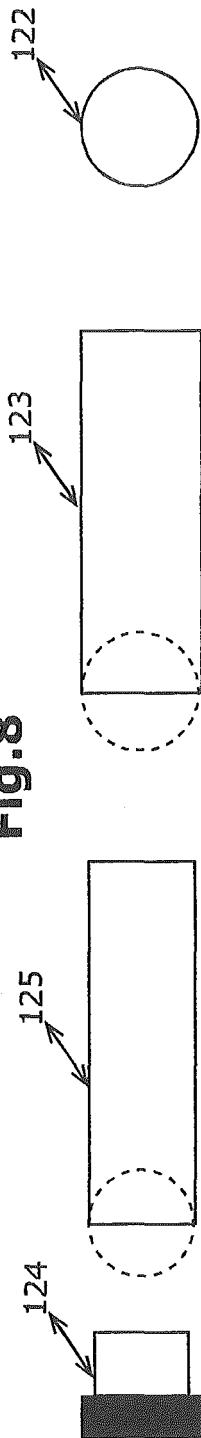


**Fig.9**

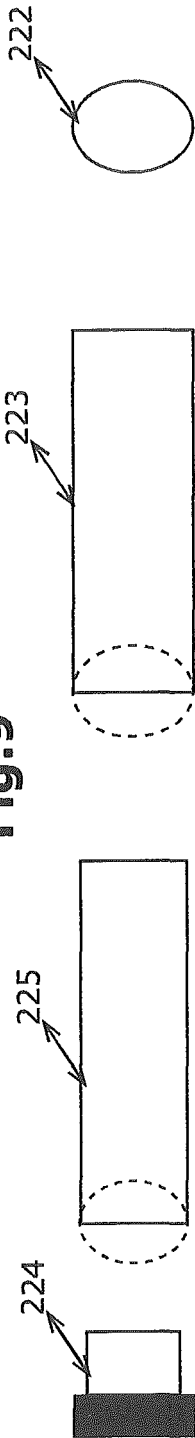


**Fig.10**

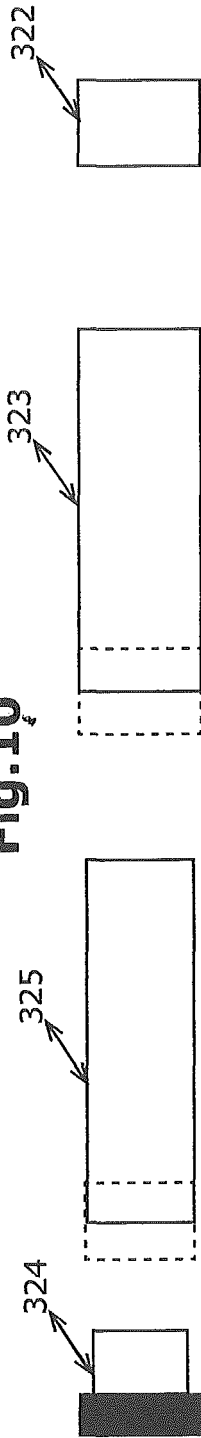


**Fig.11**



Fig.12

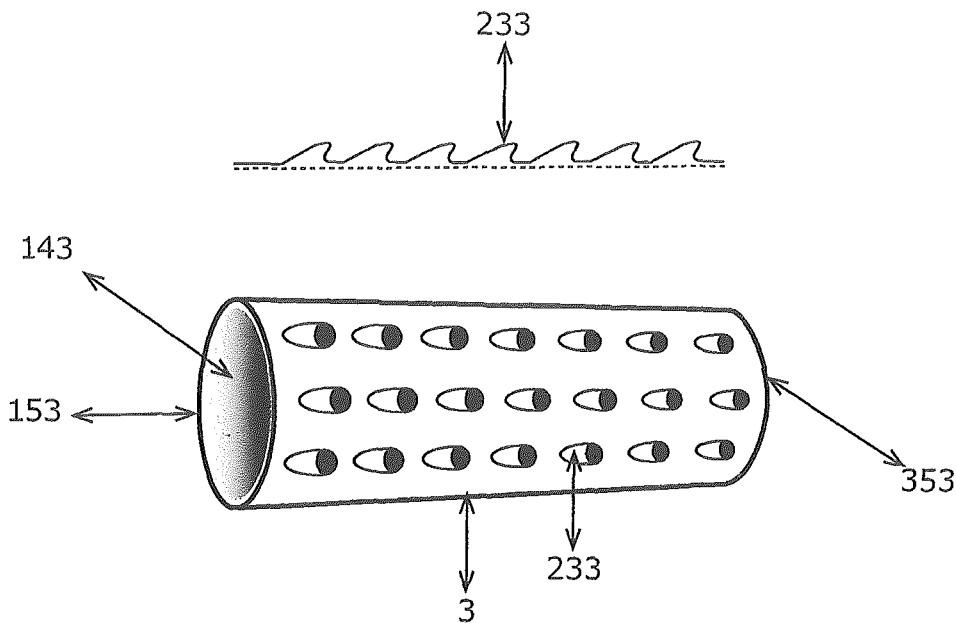


Fig.13

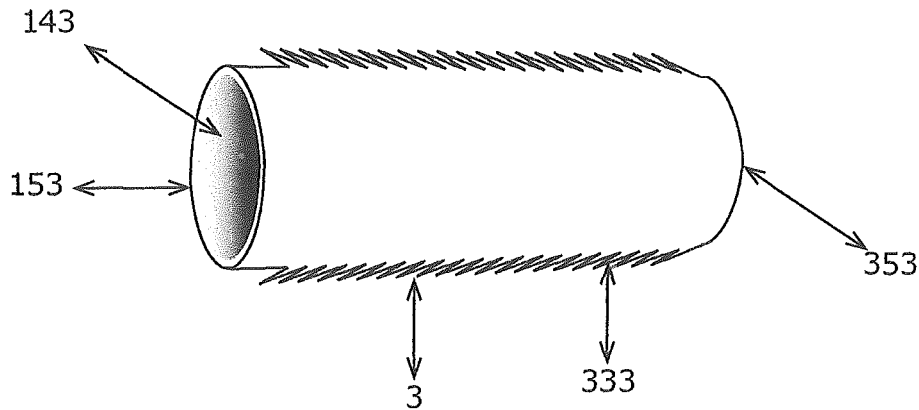


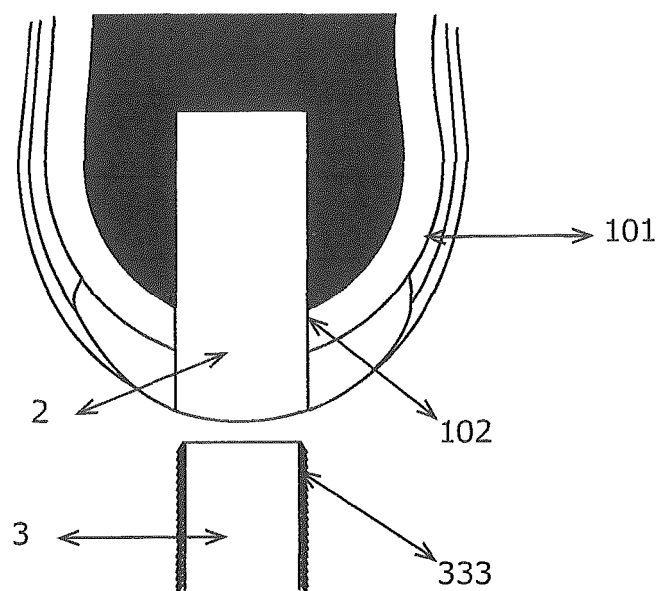
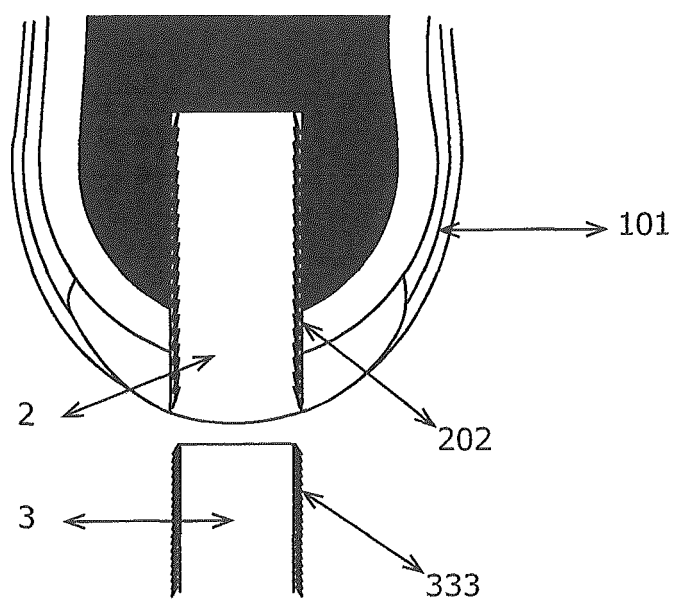
**Fig.14****Fig.15**

Fig.16

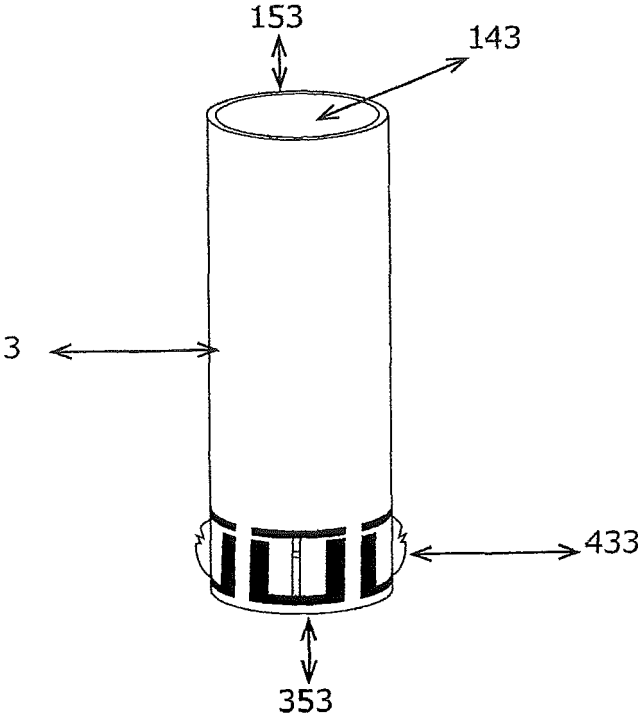


Fig.17

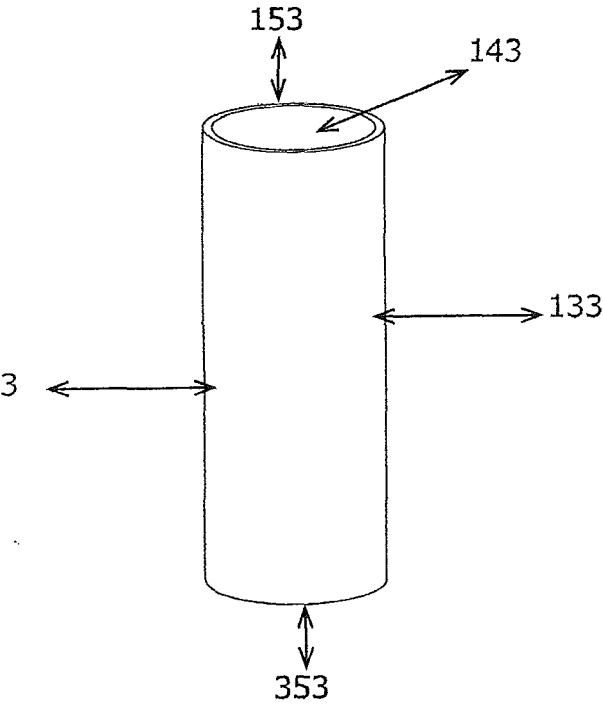


**Fig.18**

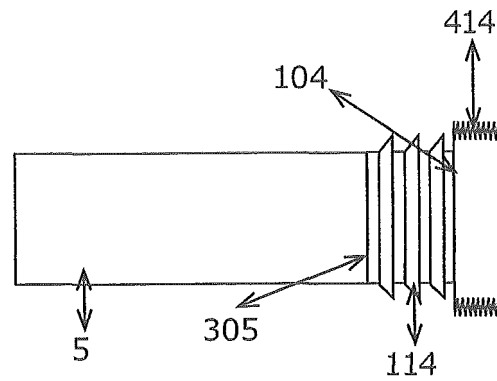


**Fig.19**

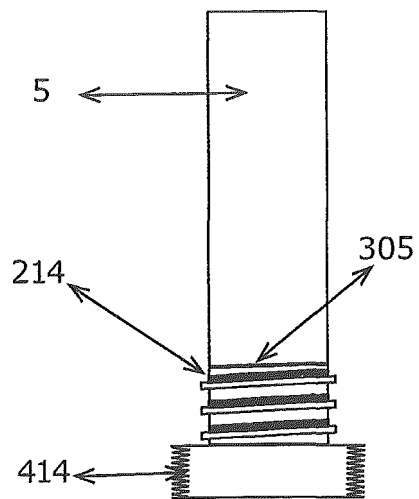


**Fig.20**

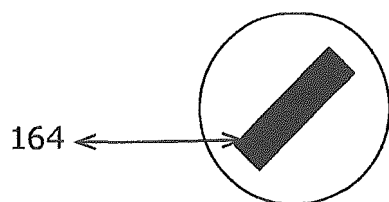


**Fig.21**

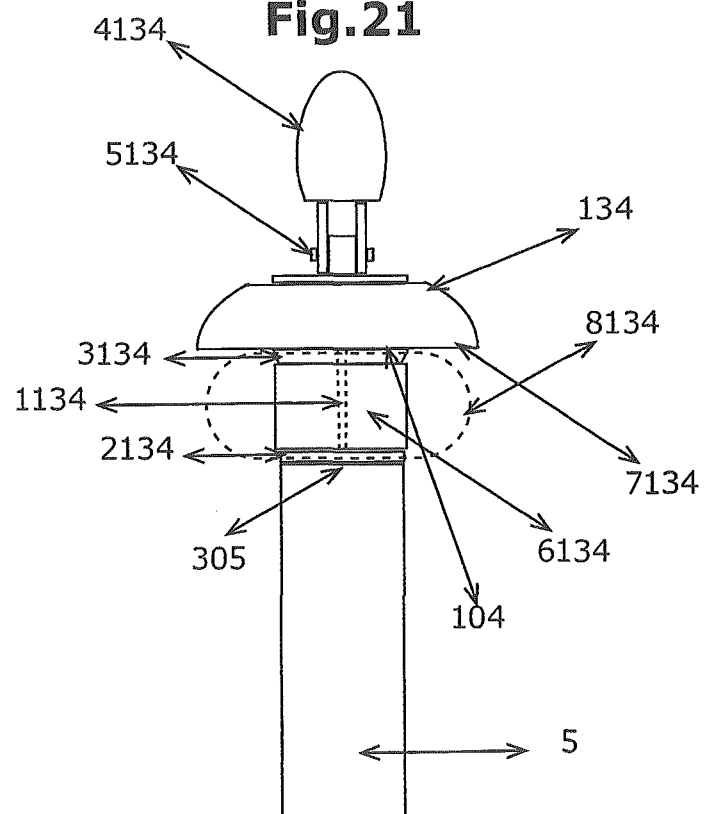


Fig.22

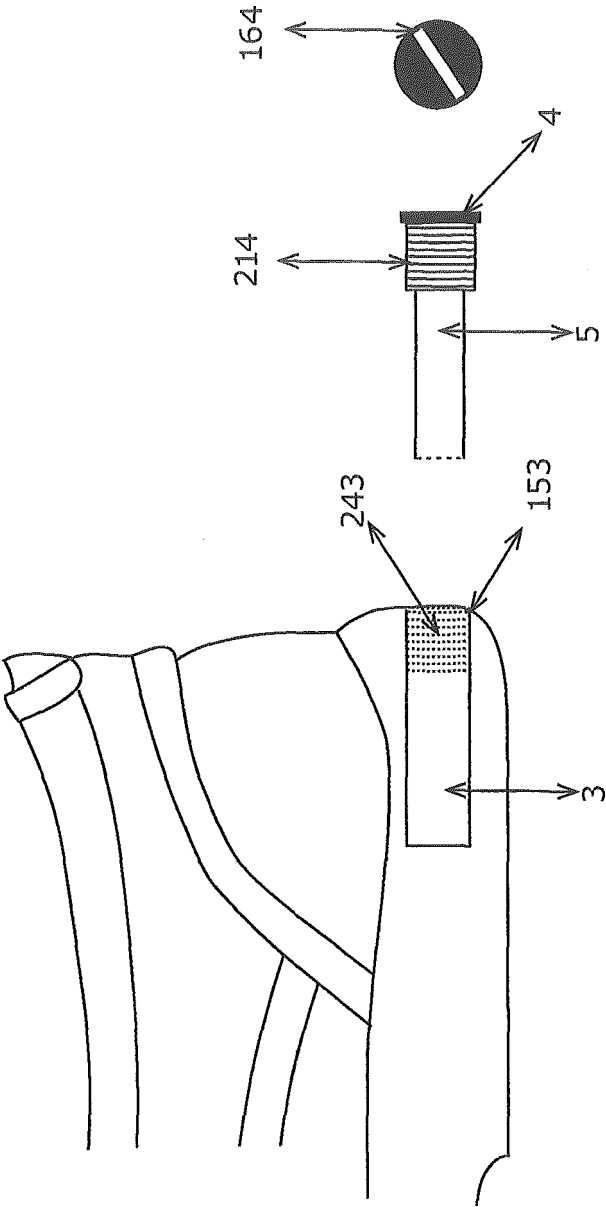


Fig.23

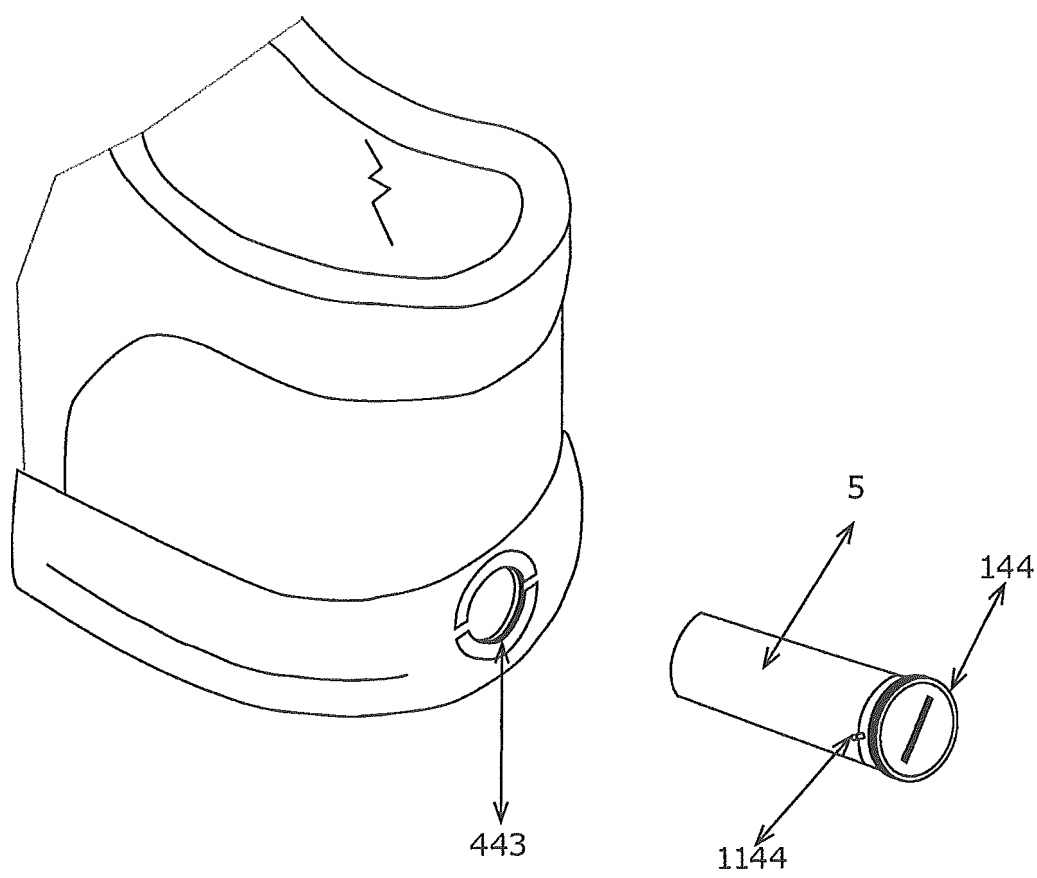


Fig.24

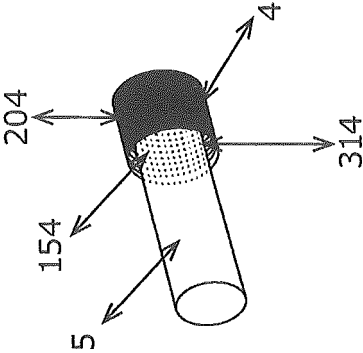


Fig.25

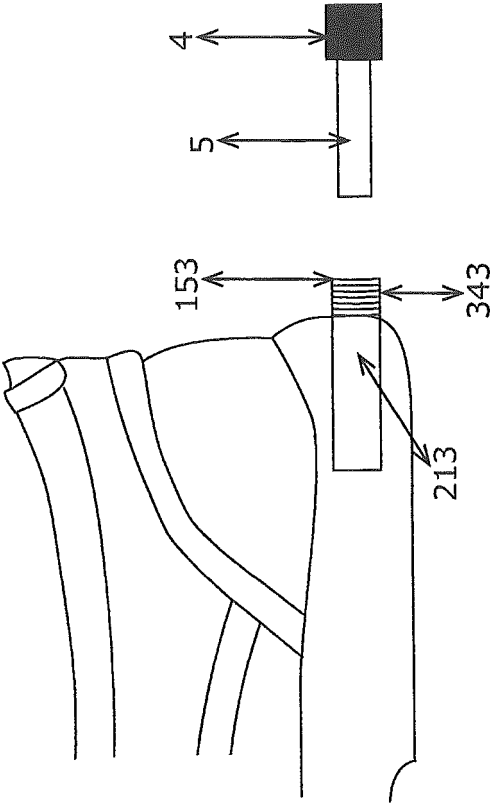


Fig.26

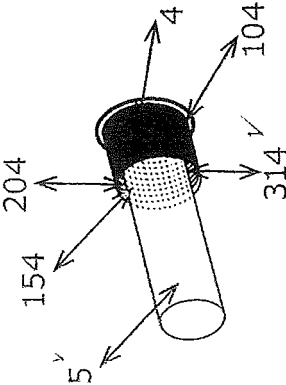


Fig.28

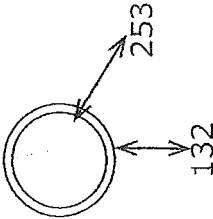


Fig.27

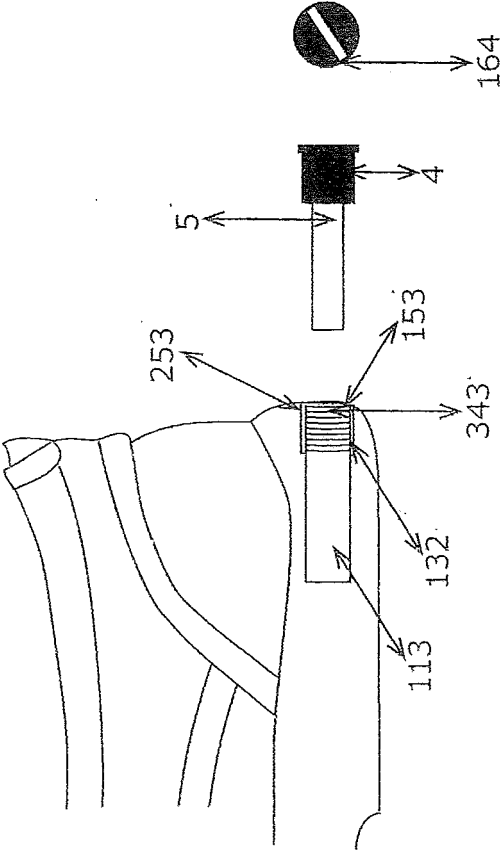


Fig.29

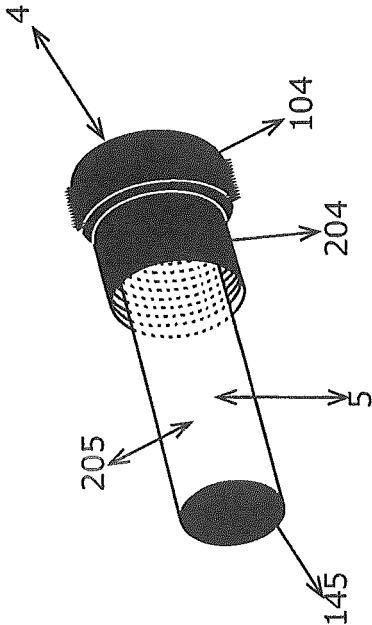


Fig.30

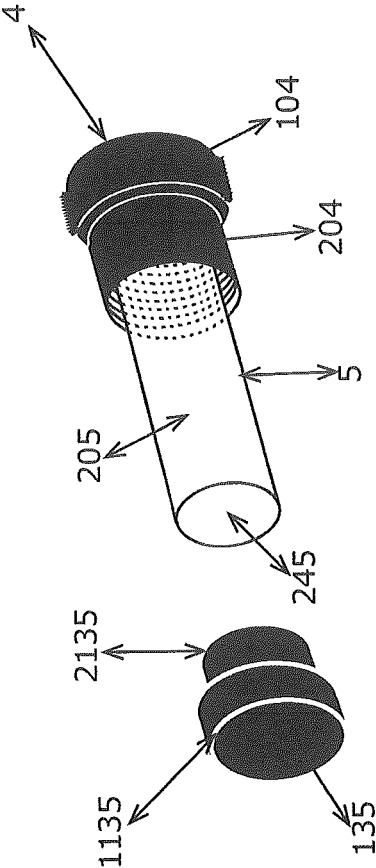


Fig.31a

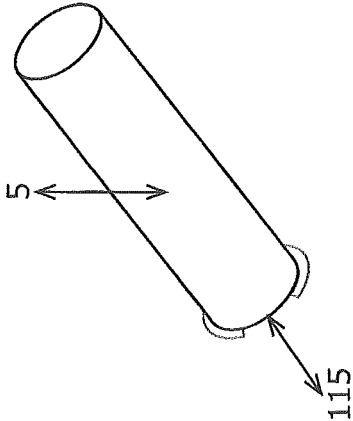


Fig.31b

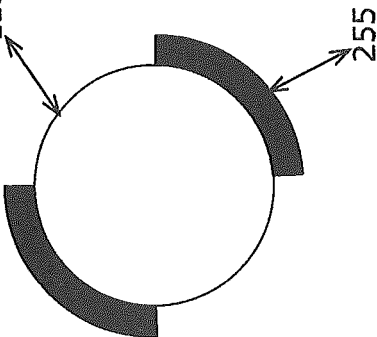


Fig.31c

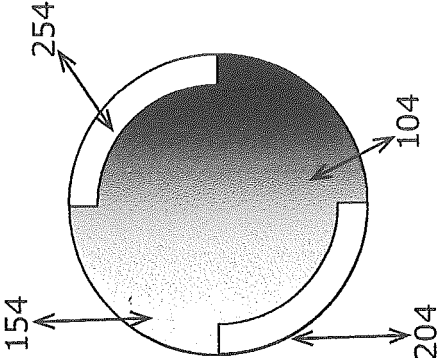


Fig.31d

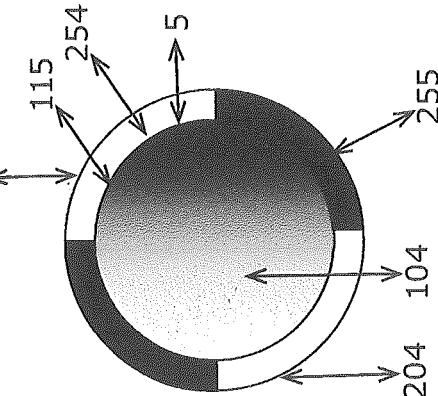


**Fig.32**

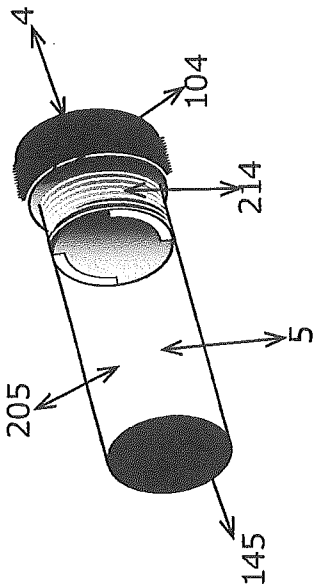


**Fig.33**

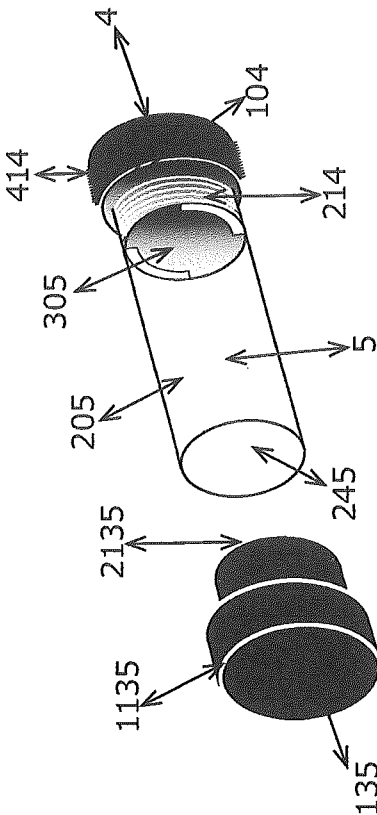


**Fig.34a**

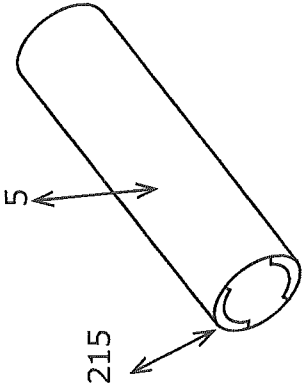


**Fig.34b**

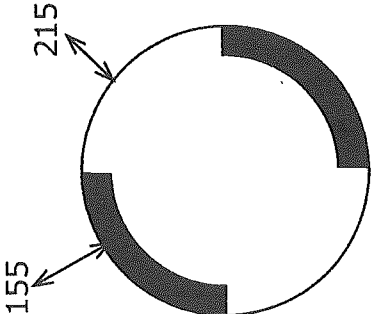


**Fig.34c**

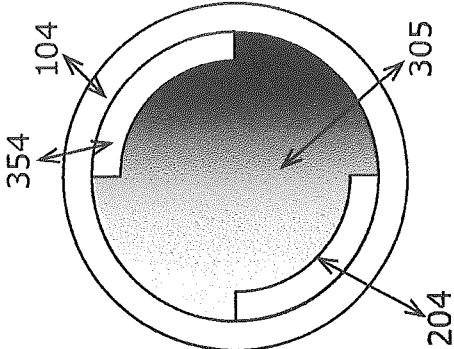


**Fig.34d**

