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(54) FASTENING CLIP, HINGEABLY AND/OR METHOD

DREHBARE BEFESTIGUNGSKLAMMER UND VERFAHREN DAFÜR

ATTACHE DE FIXATION, POUVANT ÊTRE ARTICULÉ, ET/OU PROCÉDÉ ASSOCIÉ

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Description

[0001] The present invention relates to a wristband closure for providing a closure for a wristband. The present invention further provides a semi-finished product comprising a number of wristbands according to the present invention arranged on a substrate. The present invention further provides a method for manufacturing and/or processing a semi-finished product according to the present invention. [insert page 1a]

[0002] The above stated patent application provides per se a characterizing improvement relative to the prior art. In order to add still further improvements to the prior art, the present invention relates to a wristband with closure according to claim 1.

Amended description

[0003] To be inserted on page 1 after line 16:

Document DE 10 2005 001359 AI discloses a closure for a wristband that can be closed about the wristband and that provides a sliding protection by means of pointy pins. Document US 6 684 462 B1 provides a tying system for tying together ropes, strips or cords. Retention services are provided for retaining the ropes, strips or cords. Document DE 10 2009 021 748 AI discloses a reusable band closure for multiple usage with several persons. Document JP 2007 148066 A provides a closure that can be used with a band that has an array of mutually identically spaced fastening openings at both ends of the band for functioning with fastening pins of their closure.

[0004] In addition to the stated advantages, the present application has the advantage that, due to the pivoting action, closing of a hinge clip is exceptionally practical for the person performing the closing. In addition, the present wristband closure has the advantage of it being possible to arrange the clip flat against the wrist during use thereof, this resulting in an increased wearer comfort, in addition to further advantages as stated in the above-mentioned patent application.

[0005] In a first preferred embodiment according to the present invention the wristband closure comprises a hinge comprising at least one shaft element and at least one shaft holder. The pivotable connection is hereby embodied in advantageous manner.

[0006] The base body more preferably forms a shaft holder and the closing body comprises a shaft element. It hereby becomes possible to give the closing body a relatively thin form compared to the base body, this providing the further advantage that there is space in the relatively thick base body to attach the wristband thereto.

[0007] In a further preferred embodiment the base body comprises a central part and a bottom part mounted or mountable thereon, between which the wristband can be arranged, preferably between which the wristband is permanently attached by means of fixation, such as by means of ultrasonic welding or adhesion. An advantageous further attachment of the wristband is hereby pro-

vided. Ultrasonic welding further provides a very firm permanent connection between parts of the bottom part and the central part which together form the shaft holder of the hinge. A robust hinge is hereby realized. In the wristband closure the at least one shaft holder is more preferably formed by parts of the central part and the bottom part.

[0008] In order to provide a wristband closure for once-only closing during use, the side opposite the hinge is provided with a snap closure connection comprising at least one snap-in element which is enclosed in the base body once it has been snapped in. These more preferably comprise indicator means, such as weakening means, such as openings passing partially through the material such as at least one gap-like opening, for the purpose of weakening the attachment between the base body and the closing body, preferably as according to claim 6 by weakening the connection between the at least one snap-in element and the body, preferably the closing body, to which it is attached. Hereby realized is that, when an attempt is made to open the wristband closure, the closure breaks loose in visible manner, whereby it is on the one hand non-reclosable and on the other the line of the break is clearly visible in preferably the upper surface of the closing body. Possible manipulation of the wristband closure can hereby be determined by means of a quick and simple visual check.

[0009] In order to further improve the security thereof, the wristband closure preferably comprises screening means for at least partially screening lateral view of or access to the space between the base body and the closing body, the screening elements preferably being arranged on the closing body. For this same purpose the wristband closure preferably comprises screening elements for at least partially screening lateral view of or access to the space between the central part and the bottom part, the screening elements preferably being arranged on the bottom part.

[0010] In a further embodiment the closing body, the central part and/or the bottom part comprise mutually coacting retention members for preferably providing a retention action in respect of the wristband, wherein the retention members preferably comprise protruding elements such as pins and corresponding receiving elements such as openings. It hereby becomes possible for the wristband to be retained in secure manner relative to the wristband closure. This is particularly advantageous for the part of the wristband which is arranged during use between the base body and the closing body, at least in embodiments wherein an end part of the wristband is attached in fixed manner to the base body. This fixation provides a high measure of security for this end part of the wristband. The retention members contribute toward a high measure of security of fixation of a part of the wristband between the base body and the closing body in that they substantially extend wholly or partially through the wristband.

[0011] The central part and the bottom part are more

preferably connected to each other by means of a material bridge for the purpose of providing a flexible or breakable mutual connection. Hereby realized is that between the moment of production and the moment of assembly the components are kept together by this material bridge. A further advantage here is that the whole device can be manufactured by means of an injection moulding operation.

[0012] The wristband closure is preferably manufactured from a single material, preferably by means of a moulding process such as an injection moulding process, wherein the closing body and/or the bottom part is more preferably provided with a tamper-proof indicator, such as of breakage of the closing body or the bottom part during attempts at manipulation thereof, which is preferably embodied as weakened portions or break lines. This effectively realizes that, when a user attempts to manipulate, the closing body would be damaged in visible manner in that for instance a part breaks off between the break lines.

[0013] A further aspect according to the present invention relates to a semi-finished product comprising a predetermined number of wristbands and a number of wristband closures connected to the wristbands, wherein the wristbands and/or the wristband closures are arranged removably on a substrate member for providing a relative placing of the wristbands. It hereby becomes possible to print blank wristbands with information, wherein the position and/or arrangement of the wristbands is known relative to the substrate.

[0014] The assembly of the substrate member and the wristbands is more preferably suitable for processing by means of a printer, such as an offset printer, screen printer, inkjet printer and the like.

[0015] A further aspect according to the present invention relates to a method for manufacturing and/or processing a semi-finished product according to one more of the foregoing claims, comprising steps for:

- providing a wristband closure with a band part attached thereto;
- providing a substrate such as a sheet of paper and/or plastic;
- adhering the wristbands and/or the wristband closure to the substrate, preferably by means of a releasable adhesion, in a relative placing preferably suitable for passage through a printer.

[0016] Applying such a method makes it possible by means of a production process to produce a blank semi-finished product in large quantities which, subject to the demand, can be personalized in a very short throughput time.

[0017] The method more preferably comprises steps for providing the wristbands adhered to the substrate with an imprint by means of a printer.

[0018] Further advantages, features and details of the present invention will be described in greater detail here-

inbelow on the basis of one or more preferred embodiments and with reference to the accompanying figures. Similar though not necessarily identical components of different preferred embodiments are designated with the same reference numerals.

Fig. 1A-D show four perspective views of a first preferred embodiment according to the present invention.

Fig. 2A-D show four further views of the embodiment according to Fig. 1.

Fig. 3 shows a view of a further preferred embodiment in a situation of use.

Fig. 4 shows a perspective view of a further preferred embodiment according to the present invention.

Fig. 5 shows two perspective views of a further preferred embodiment according to the present invention.

[0019] A first preferred embodiment (Fig. 1) according to the present invention relates to a wristband closure or wrist clip 1. This comprises a base body comprising a bottom part 2 and a central part 3. During use both these parts are welded ultrasonically to each other by means of the mutually contacting parts 13, 15 and 14. Parts 13 together with the abutting parts of rounded portions 16 form the hinge, or at least the shaft holder of the hinge. The pins 15 serve to pierce an end part 51 (Fig. 3) of the wristband and as welding material for ultrasonic welding for the purpose of attaching bottom part 2 to central part 3. Protrusions 14 likewise serve as welding material. Hereby described is how the bottom part and the central part are attached to each other. During use the end part 51 is located here between these two parts.

[0020] The bottom part comprises upright edges 19 which, when the bottom part is welded fixedly to the central part, ensure that viewing or the possibility of inserting manipulation means is limited or minimized.

[0021] The central part has chamfered edges 29 on either side for guiding material of the wristband. The central part also has pins 27 which protrude into the wristband when it is arranged between the base body and the closing body.

[0022] When the wristband is provided to the user, the end part 51 of the wristband and the bottom part and the central part are therefore integrated with the closing body 4 pivotable relative thereto.

[0023] The closing body has on one side the hinge shaft 11 which is strengthened by the connecting elements 17 and the rest of the closing body. The closing body is pivotable relative to the bottom part by means of this hinge shaft. The closing body further has upright edges 29 on either side which likewise have the purpose of limiting or minimizing access to the interior.

[0024] The closing body is provided with pins 26 which can extend through openings 28 in the base body. The part of the wristband arranged in this space is hereby retained in effective manner.

[0025] On the opposite side relative to the hinge the base body has two openings bounded by an edge 21 for retaining the snapped-in members of the closing body. Provided are two openings with two associated snap-in elements so that, when a manipulation attempt is made, only one of the snap-in elements will be broken. This, in coaction with the weakening lines 34 in the closing body, will cause the closing body to break, whereby the manipulation becomes visible.

[0026] A further means according to the present invention for showing that manipulation has taken place is shown in Fig. 4. The closing body here has two openings 41 which weaken the connection between the closing body and the snap elements. The advantage hereof is that, when an attempt is made to open the closing body, the closing body will break at the location of the opening and the snap element on the side where manipulation is taking place. An alternative hereto is a weakened portion 25 on the underside of the snap element whereby, when a snap-in element is broken, the closing body will break at the weakening lines 34, whereby the manipulation becomes visible.

[0027] For the purpose of holding the central part and the bottom part in advantageous mutual arrangement during production, they are mutually coupled by a film hinge 5 during injection moulding.

[0028] Fig. 5A and Fig. 5B show a semi-finished product of substrate sheets 41 with wristbands 8 adhered thereto having a wristband closure on one end thereof. It is an advantage of this semi-finished product that either wristbands or neutrally coloured wristbands can be applied which can be printed with a suitable pattern for an occasion. This provides a high measure of flexibility in respect of customizing the wristbands for specific occasions. This provides great advantages in production.

[0029] The present invention has been described in the foregoing on the basis of several preferred embodiments. Different aspects of different embodiments are deemed described in combination with each other, wherein all combinations which can be deemed by a skilled person in the field as falling within the scope of the invention on the basis of reading of this document are included. These preferred embodiments are not limitative for the scope of protection of this document. The rights sought are defined in the appended claims.

Claims

1. A wristband with closure (1) providing a tamper-proof closure for a wristband (8), comprising a wristband (8) and a wristband closure (1), wherein the wristband closure comprises:

- a base body (2,3) holding a part, preferably an end part, of the wristband;
- a closing body (4) for closing the wristband by means of receiving a further part of the wristband

between the base body and the closing body;
 - a closing assembly for providing an enclosed closure between the base body and the closing body on one side of the wristband closure;
 - a hinge assembly for providing a pivotable connection between the base body and the closing body (4) on an opposite side, the closing assembly providing a once only closing by comprising a snap closure connection comprising at least one snap-in element (24) which is enclosed in the base body once it has been snapped in.

2. Wristband with closure as claimed in claim 1, comprising a hinge comprising at least one shaft element (11) and at least one shaft holder (12).

3. Wristband with closure as claimed in claim 1 or 2, wherein the base body forms a shaft holder (12) and the closing body comprises a shaft element (11).

4. Wristband with closure as claimed in claim 1 or 2, wherein the base body comprises a central part (3) and a bottom part (2) mounted or mountable thereon, between which the wristband can be arranged, preferably between which the wristband (8) is permanently attached by means of fixation, such as by means of ultrasonic welding or adhesion.

5. Wristband with closure as claimed in claim 4, wherein the at least one shaft holder is formed by parts of the central part and the bottom part.

6. Wristband with closure as claimed in one or more of the foregoing claims, wherein the side opposite the hinge is provided with the snap closure.

7. Wristband with closure as claimed in one or more of the foregoing claims, comprising indicator means (34), such as weakening means, such as openings passing partially through the material such as at least one gap-like opening, for the purpose of weakening the attachment between the base body and the closing body, preferably as according to claim 6, by weakening the connection between the at least one snap-in element and the body, preferably the closing body, to which it is attached.

8. Wristband with closure as claimed in one or more of the foregoing claims, comprising screening means (29) for screening lateral view of or access to the space between the base body and the closing body, the screening elements preferably being arranged on the closing body.

9. Wristband with closure as claimed in one or more of the foregoing claims 4-8, comprising screening elements (19) for screening lateral view of or access to the space between the central part and the bottom

part, the screening elements preferably being arranged on the bottom part.

10. Wristband with closure as claimed in one or more of the foregoing claims, wherein the base body, the closing body, the central part and/or the bottom part comprise mutually coacting retention members for providing a retention action in respect of the wristband, wherein the retention members preferably comprise protruding elements such as pins (15,26) and corresponding receiving elements such as openings (28). 5
11. Wristband with closure as claimed in claim 9 or 10, wherein the central part and the bottom part are connected to each other by means of a material bridge for the purpose of providing a flexible or breakable mutual connection. 10
12. Wristband with closure as claimed in one or more of the foregoing claims 10 or 11, wherein the protruding elements (15,26) extend during use of the wristband closure into and/or beyond material of the wristband and/or the wristband closure comprises cover elements for covering a passage for the wristband at the passage between the base body and the closing body. 15
13. Wristband with closure as claimed in one or more of the foregoing claims, **characterized in that** the wristband closure (1) is manufactured from a single material, preferably by means of a moulding process such as an injection moulding process, wherein the closing body and/or the bottom part is more preferably provided with a tamper-proof indicator, such as of breakage of the closing body or the bottom part during attempts at manipulation thereof, which is preferably embodied as weakened portions or break lines. 20
14. Method for manufacturing and/or processing the wristband with closure as claimed in one more of the foregoing claims, comprising steps for: 25
 - providing a wristband with closure with a band part attached thereto;
 - providing a substrate such as a sheet of paper and/or plastic;
 - adhering the wristbands and/or the wristband closure to the substrate, preferably by means of a releasable adhesion, in a relative placing preferably suitable for passage through a printer. 30
15. Method as claimed in claim 14, comprising steps for providing the wristbands adhered to the substrate with an imprint by means of a printer. 35

Patentansprüche

1. Armband mit Verschluss (1), das einen manipulations-sicheren Verschluss für ein Armband (8) bereitstellt, umfassend ein Armband (8) und einen Armbandverschluss (1), wobei der Armbandverschluss umfasst:
 - einen Grundkörper (2,3), der einen Teil, vorzugsweise einen Endteil, des Armbandes hält;
 - einen Schließkörper (4) zum Schließen des Armbandes mittels Aufnahme eines weiteren Teils des Armbandes zwischen dem Grundkörper und dem Schließkörper;
 - eine Schließanordnung zum Bereitstellen eines geschlossenen Verschlusses zwischen dem Grundkörper und dem Schließkörper auf einer Seite des Armbandverschlusses;
 - eine Scharnieranordnung zum Bereitstellen einer schwenkbaren Verbindung zwischen dem Grundkörper und dem Schließkörper (4) auf einer gegenüberliegenden Seite, wobei die Schließanordnung ein einmaliges Schließen bereitstellt, indem sie eine Schnappverschlussverbindung umfasst, die mindestens ein Schnappelement (24) umfasst die nach dem Einrasten im Grundkörper eingeschlossen ist. 40
2. Armband mit Verschluss nach Anspruch 1, umfassend ein Scharnier mit mindestens einem Wellenelement (11) und mindestens einem Wellenhalter (12). 45
3. Armband mit Verschluss nach Anspruch 1 oder 2, wobei der Grundkörper einen Wellenhalter (12) bildet und der Schließkörper ein Wellenelement (11) umfasst. 50
4. Armband mit Verschluss nach Anspruch 1 oder 2, wobei der Grundkörper ein Mittelteil (3) und ein darauf montiertes oder montierbares Unterteil (2) umfasst, zwischen denen das Armband angeordnet sein kann, vorzugsweise zwischen denen das Armband (8) durch Befestigung, beispielsweise durch Ultraschallschweißen oder Kleben, dauerhaft befestigt ist. 55
5. Armband mit Verschluss nach Anspruch 4, wobei der mindestens eine Wellenhalter durch Teile des Mittelteils und des Unterteils gebildet ist.
6. Armband mit Verschluss nach einem oder mehreren der vorstehenden Ansprüche, wobei die dem Scharnier gegenüberliegende Seite mit dem Schnappverschluss versehen ist.
7. Armband mit Verschluss, nach einem oder mehreren der vorstehenden Ansprüche, umfassend Indi-

- katormittel (34), wie Schwächungsmittel, wie Öffnungen, die teilweise durch das Material verlaufen, wie mindestens eine spaltartige Öffnung, zum Zweck von Schwächen der Befestigung zwischen dem Grundkörper und dem Schließkörper, vorzugsweise nach Anspruch 6, durch Schwächen der Verbindung zwischen dem mindestens einen Schnappelement und dem Körper, vorzugsweise dem Schließkörper, an dem er befestigt ist.
8. Armband mit Verschluss, nach einem oder mehreren der vorstehenden Ansprüche, umfassend Abschirmmittel (29) zum Abschirmen der Seitenansicht oder des Zugangs zu dem Raum zwischen dem Grundkörper und dem Schließkörper, wobei die Abschirmelemente vorzugsweise angeordnet auf dem Schließkörper.
9. Armband mit Verschluss nach einem oder mehreren der vorstehenden Ansprüche 4 bis 8, umfassend Abschirmelemente (19) zum Abschirmen der Seitenansicht oder des Zugangs zu dem Raum zwischen dem Mittelteil und dem unteren Teil, wobei die Abschirmelemente vorzugsweise angeordnet sind auf dem unteren Teil.
10. Armband mit Verschluss nach einem oder mehreren der vorstehenden Ansprüche, wobei der Grundkörper, der Schließkörper, der Mittelteil und / oder der Unterteil gegenseitig zusammenwirkende Rückhaltelemente zum Bereitstellen einer Rückhaltewirkung in Bezug auf die Armband, wobei die Halteelemente vorzugsweise hervorstehende Elemente wie Stifte (15, 26) und entsprechende Aufnahmeelemente wie Öffnungen (28) umfassen.
11. Armband mit Verschluss nach Anspruch 9 oder 10, wobei der Mittelteil und der Unterteil mittels einer Materialbrücke miteinander verbunden sind, um eine flexible oder zerbrechliche gegenseitige Verbindung bereitzustellen.
12. Armband mit Verschluss nach einem oder mehreren der vorstehenden Ansprüche 10 oder 11, wobei sich die hervorstehenden Elemente (15,26) während der Verwendung des Armbandverschlusses in und/oder über das Material des Armbandes hinaus erstrecken und/oder der Armbandverschluss umfasst Abdeckelemente zum Abdecken eines Durchgangs für das Armband am Durchgang zwischen dem Grundkörper und dem Schließkörper.
13. Armband mit Verschluss nach einem oder mehreren der vorstehenden Ansprüche, **dadurch gekennzeichnet, dass** der Armbandverschluss (1) aus einem einzigen Material hergestellt ist, vorzugsweise mittels eines Formverfahrens wie eines Spritzgussverfahrens, wobei der Schließkörper und/oder der untere Teil ist bevorzugter mit einem manipulations-sicheren Indikator versehen, wie beispielsweise einem Bruch des Schließkörpers oder des unteren Teils während Manipulationsversuchen davon, der vorzugsweise als geschwächte Abschnitte oder Bruchlinien ausgeführt ist.
14. Verfahren zur Herstellung und / oder Verarbeitung des Armbandes mit Verschluss, nach einem der vorstehenden Ansprüche, umfassend Schritte für:
- Bereitstellen eines Armbandes mit Verschluss und einem daran befestigten Bandteil;
 - Bereitstellen eines Substrats wie eines Blattes Papier und/oder Kunststoff;
 - Anbringen der Armbänder und/oder des Armbandverschlusses am Substrat, vorzugsweise mittels einer lösbaren Haftung, an einer relativen Stelle, die vorzugsweise für den Durchgang durch einen Drucker geeignet ist.
15. Verfahren nach Anspruch 13, umfassend Schritte zum Versehen der am Substrat haftenden Armbänder mit einem Aufdruck mittels eines Druckers.

Revendications

1. Bracelet avec fermeture (1) fournissant une fermeture inviolable pour un bracelet (8), comprenant un bracelet (8) et une fermeture de bracelet (1), dans lequel la fermeture de bracelet comprend:
- un corps de base (2, 3) tenant une partie, de préférence une partie d'extrémité, du bracelet;
 - un corps de fermeture (4) pour fermer le bracelet au moyen de recevoir une autre partie du bracelet entre le corps de base et le corps de fermeture;
 - un ensemble de fermeture pour fournir une fermeture fermée entre le corps de base et le corps de fermeture sur un côté de la fermeture du bracelet;
 - un ensemble de charnière pour fournir une liaison pivotante entre le corps de base et le corps de fermeture (4) sur un côté opposé, l'ensemble de fermeture fournissant une fermeture une seule fois en comprenant une connexion de fermeture par encliquetage comprenant au moins un élément d'encliquetage (24) qui est enfermé dans le corps de base une fois qu'il a été encliqueté.
2. Bracelet avec fermeture selon la revendication 1, comprenant une charnière comprenant au moins un élément de axe (11) et au moins un porte-axe (12).
3. Bracelet avec fermeture selon la revendication 1 ou

- 2, dans lequel le corps de base forme un porte-axe (12) et le corps de fermeture comprend un élément de axe (11).
4. Bracelet avec fermeture selon la revendication 1 ou 2, dans lequel le corps de base comprend une partie centrale (3) et une partie inférieure (2) montées ou montables dessus, entre lesquelles le bracelet peut être disposé, de préférence entre lesquelles le bracelet (8) est fixé en permanence au moyen d'une fixation, par exemple au moyen d'un soudage par ultrasons ou d'une adhérence. 5
5. Bracelet à fermeture selon la revendication 4, dans lequel le au moins un porte-axe est formé par des parties de la partie centrale et de la partie inférieure. 10
6. Bracelet avec fermeture selon une ou plusieurs des revendications précédentes, dans lequel le côté opposé à la charnière est pourvu de la fermeture par encliquetage. 15
7. Bracelet avec fermeture selon une ou plusieurs des revendications précédentes, comprenant des moyens indicateurs (34), tels que des moyens d'affaiblissement, tels que des ouvertures traversant partiellement le matériau telles qu'au moins une ouverture en forme de fente, dans le but de affaiblissement de la fixation entre le corps de base et le corps de fermeture, de préférence selon la revendication 6, en affaiblissant la connexion entre le au moins un élément d'encliquetage et le corps, de préférence le corps de fermeture, auquel il est fixé. 20
8. Bracelet à fermeture selon une ou plusieurs des revendications précédentes, comprenant des moyens de blindage (29) pour masquer la vue latérale ou l'accès à l'espace entre le corps de base et le corps de fermeture, les éléments de blindage étant de préférence disposés sur la corps de fermeture. 25
9. Bracelet avec fermeture selon une ou plusieurs des revendications 4 à 8 précédentes, comprenant des éléments de blindage (19) pour masquer la vue latérale ou l'accès à l'espace entre la partie centrale et la partie inférieure, les éléments de blindage étant de préférence disposés sur la partie inférieure. 30
10. Bracelet avec fermeture selon une ou plusieurs des revendications précédentes, dans lequel le corps de base, le corps de fermeture, la partie centrale et / ou la partie inférieure comprennent des éléments de retenue agissant mutuellement pour fournir une action de retenue par rapport au bracelet, dans lequel les éléments de retenue comprennent de préférence des éléments en saillie tels que des broches (15,26) et des éléments de réception correspondants tels que des ouvertures (28). 35
11. Bracelet à fermeture selon la revendication 9 ou 10, **caractérisé en ce que** la partie centrale et la partie inférieure sont reliées l'une à l'autre au moyen d'un pont de matière en vue d'assurer une liaison mutuelle souple ou cassable. 40
12. Bracelet avec fermeture selon une ou plusieurs des revendications 10 ou 11 précédentes, dans lequel les éléments en saillie (15,26) s'étendent pendant l'utilisation de la fermeture du bracelet dans et/ou au-delà du matériau du bracelet et/ou la fermeture du bracelet comprends des éléments de couverture pour couvrir un passage pour le bracelet au niveau du passage entre le corps de base et le corps de fermeture. 45
13. Bracelet à fermeture selon une ou plusieurs des revendications précédentes, **caractérisé en ce que** la fermeture de bracelet (1) est fabriquée à partir d'un seul matériau, de préférence au moyen d'un procédé de moulage tel qu'un procédé de moulage par injection, dans lequel le corps de fermeture et/ou la partie inférieure est plus préférablement pourvue d'un indicateur d'inviolabilité, tel que de rupture du corps de fermeture ou de la partie inférieure lors de tentatives de manipulation de celui-ci, qui est de préférence réalisé sous forme de parties affaiblies ou de lignes de rupture. 50
14. Procédé de fabrication et/ou de traitement du bracelet avec fermeture selon une ou plusieurs des revendications précédentes, comprenant les étapes de: 55
- fournir un bracelet avec fermeture avec une partie de bande attachée à celui-ci;
 - fournir un substrat tel qu'une feuille de papier et/ou de plastique;
 - faire adhérer les bracelets et/ou la fermeture de bracelet au substrat, de préférence au moyen d'une adhérence détachable, dans un placement relatif de préférence adapté au passage à travers une imprimante.
15. Procédé selon la revendication 13, comprenant des étapes pour doter les bracelets collés au substrat au moyen d'une imprimante.

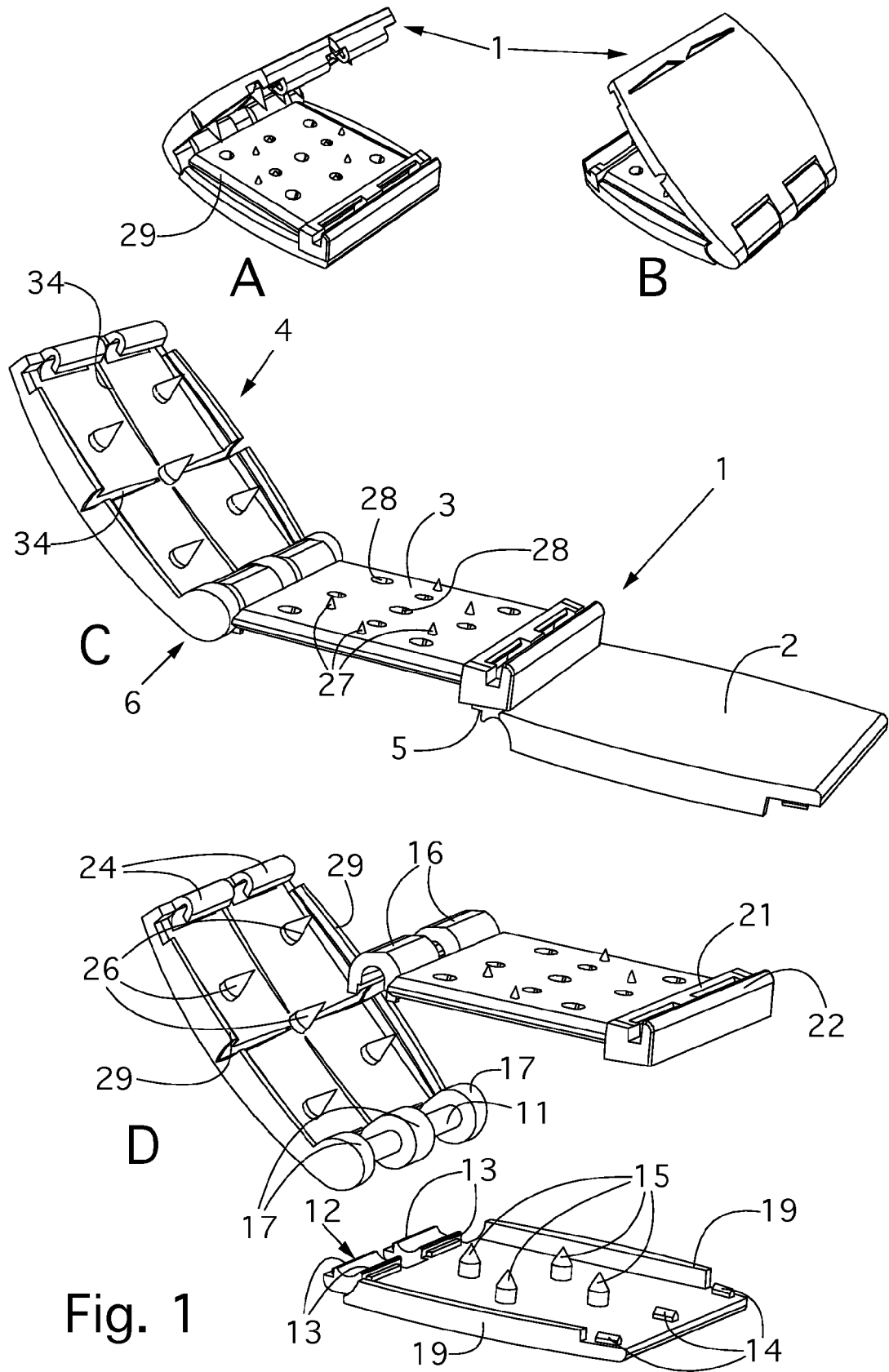


Fig. 1

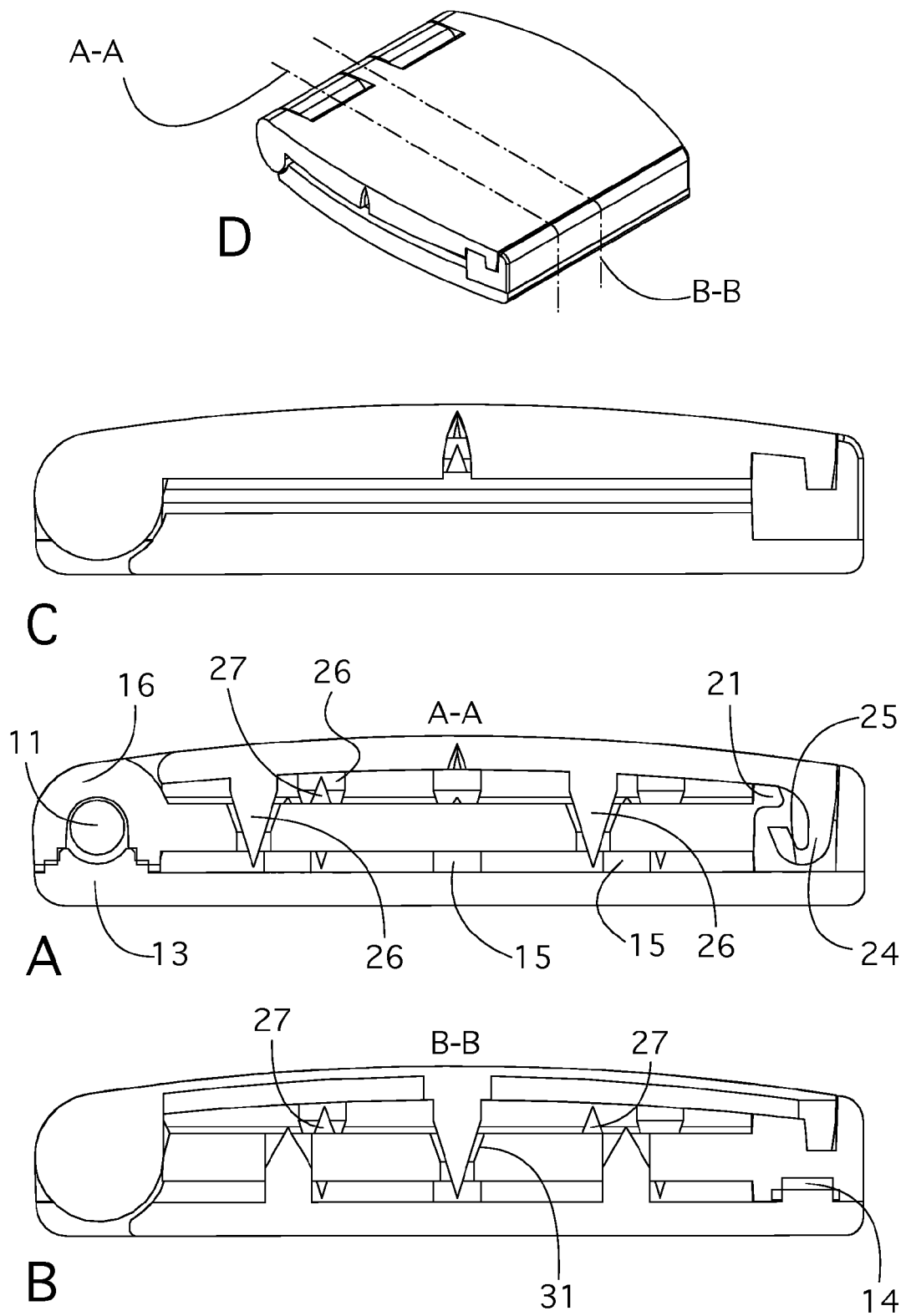
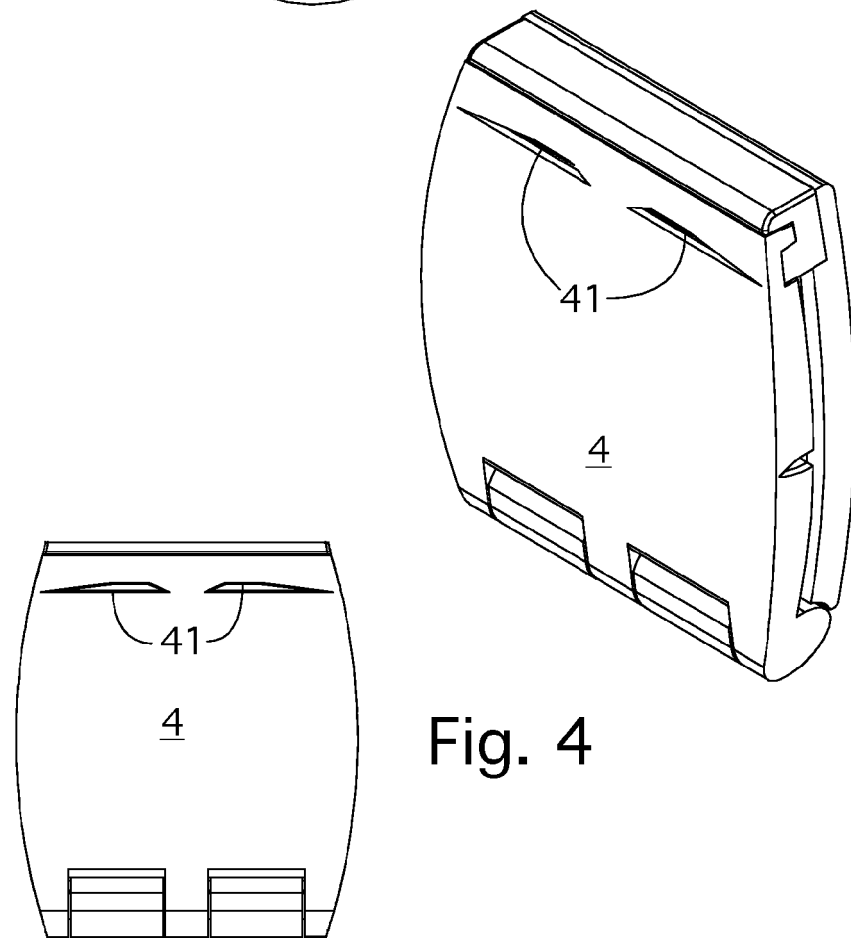
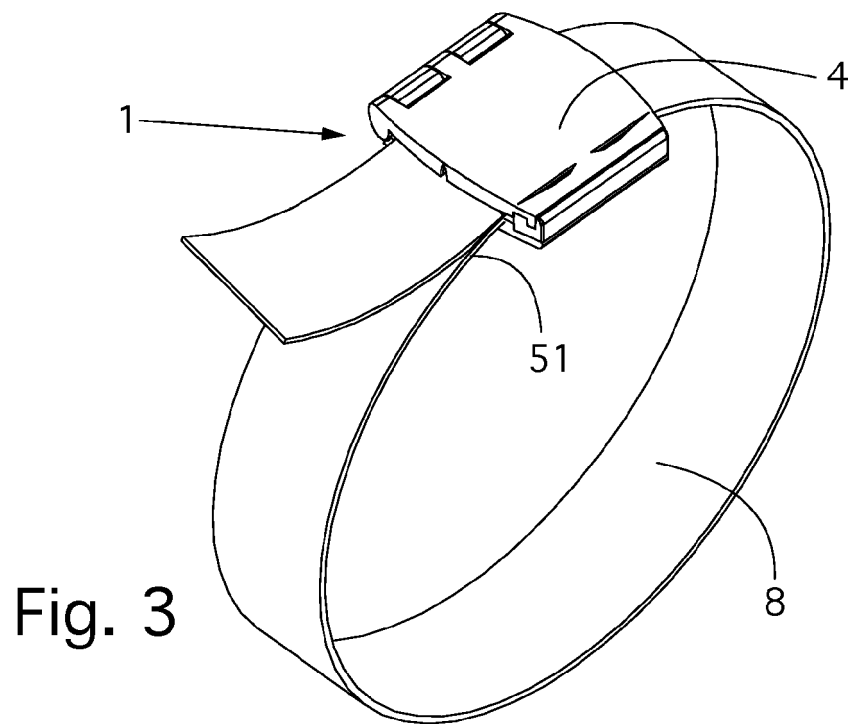
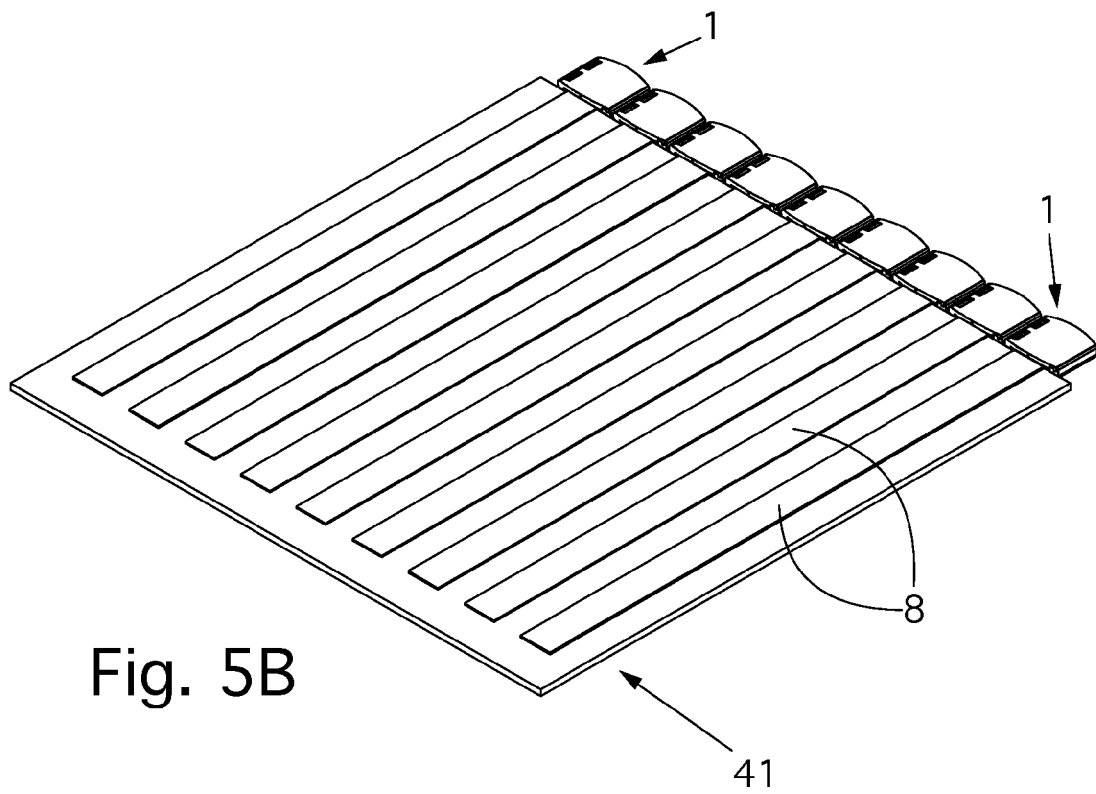
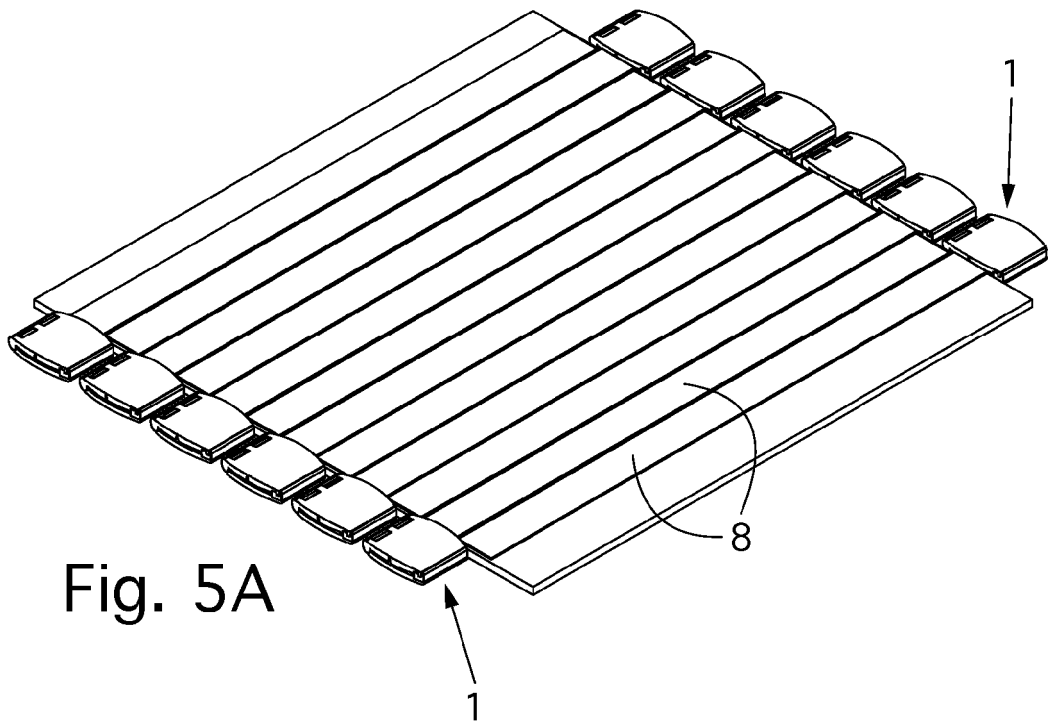


Fig. 2





REFERENCES CITED IN THE DESCRIPTION

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