(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) **EP 3 746 374 B1**

(12) **EUROPEAN PATENT SPECIFICATION**

(45) Date of publication and mention of the grant of the patent:
05.01.2022 Bulletin 2022/01

(21) Application number: **18778834.4**

(22) Date of filing: **14.09.2018**

(51) Int Cl.:
B65D 73/00 *(2006.01)*

(86) International application number:
PCT/EP2018/074901

(87) International publication number:
WO 2019/149392 (08.08.2019 Gazette 2019/32)

(54) **CUTTING TOOL PACKAGING ASSEMBLY**

SCHNEIDWERKZEUGVERPACKUNGSANORDNUNG

ENSEMBLE D'EMBALLAGE D'OUTIL DE COUPE

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

(30) Priority: **02.02.2018 DE 102018000849**

(43) Date of publication of application:
09.12.2020 Bulletin 2020/50

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Description

TECHNICAL FIELD

[0001] The present disclosure relates to cutting tools. More specifically, the present disclosure relates to a packaging assembly which allows better showcasing and safekeeping of the cutting tools.

BACKGROUND

[0002] Cutting tools, particularly small cutting tools, are generally packaged with a packaging which usually includes a vertical hanging arrangement. This allows a potential buyer to better interact with different details and specifications of the cutting tools. Ability of the potential buyer to interact with the cutting tool generally depends upon the accessibility permitted by the packaging. However, there have been many limitations with use of the common packaging available for the cutting tools.

[0003] Some packaging also allows the potential buyer to perform limited operations with the cutting tools without having to completely remove the packaging. But, this could pose certain security threats for the potential buyer and may also have a bearing on life of the packaging or the cutting tool. Further, there are constraints to better market the cutting tools, preferably with better utilization of the packaging of the cutting tools.

[0004] An example of a packaging is provided by DE202012103761A1 (hereinafter referred to as '761 reference). The '761 reference provides a safety suspension element with a fold-up rear wall. The safety suspension element includes a main body from which a suspension plate extends upwardly, in which a perforation is provided for suspending the main body. Further, lower part of the main body has an enclosing insertion opening through which a tool element can be inserted. The lower half of the plate surface of the rear wall is formed as an outwardly foldable movable plate at both ends of underside of the movable plate respectively. However, the '761 reference comes short of providing adequate safety, and security features while ensuring functionality of the tool within the suspension element. An example of a packaging assembly permitting movement of the cutting tool between an open blade configuration and closed blade configuration while ensuring safety and protection for a user is provided by US4873551A, US4165805A, DE2444606A1.

[0005] Thus, there is a need of an improved packaging for enhancing appeal and applicability of the cutting tools.

SUMMARY

[0006] In view of the above, it is an objective of the present invention to solve or at least reduce the drawbacks discussed above. The objective is at least partially achieved by a packaging assembly for a cutting tool. The cutting tool has a first lever defining a first cutting edge. The cutting tool has a second lever defining a second cutting edge. The packaging assembly includes a base plate to receive the cutting tool. The base plate defines a cavity such that a first pivot pin coupling the first lever and the second lever of the cutting tool is received inside the cavity. The packaging assembly includes a primary cover member coupled to the base plate to restrain the cutting tool over the base plate such that the cutting tool can move between an open blade configuration and a closed blade configuration. The packaging assembly comprises a pivotally hinged section to pivot between an open position and a closed position allowing the cutting tool to be inserted into the packaging assembly. The packaging assembly is characterized in that the packaging assembly further includes a blade cover member for being fixedly coupled to the first cutting edge of the cutting tool such that the blade cover member covers an open space between the first cutting edge and the second cutting edge in an open blade configuration of the cutting tool. Thus, the present disclosure provides a simple, convenient and user-friendly packaging assembly for the cutting tool. Coupled to the first cutting edge is not to be understood that the coupling consists of a fixation of the blade cover member to the first cutting edge, but merely describes a fixed relationship between the two, where both elements touch each other. Thus when the fist cutting edge moves in space the blade cover member moves in the same direction not losing the touch with the first cutting edge and in this sense being coupled to it.

[0007] According to the present invention, the blade cover member covers an open space between the first cutting edge and the second cutting edge in the open blade configuration of the cutting tool. This ensures improved safety and protection for a user engaging with the cutting tool in the open blade configuration. Even more important the blade cover prevents the fingers of a user to enter the open space between the two cutting blades and thus get hurt when opening the cutting tool.

[0008] According to the present invention, the blade cover member stays between the first cutting edge and the second cutting edge in the closed blade configuration of the cutting tool. Presence of the blade cover in the closed blade configuration protects the first cutting edge and the second cutting edge from outside agents such as dust, moisture and the like, and simultaneously allows clear visibility of the cutting edges of the cutting tool.

[0009] According to an embodiment of the present invention, the pivotally hinged section is a part of the base plate. The pivotally hinged section of the packaging assembly allows proper securement of the cutting tool as per the application requirements.

[0010] According to an embodiment of the present invention, the pivotally hinged section is the primary cover member. Presence of the pivotally hinged section is in accordance with ease of assembly or disassembly of the cutting tool while ensuring a compact profile of the packaging assembly.

[0011] According to an embodiment of the present in-

vention, the blade cover member is coupled to the cutting tool through the first pivot pin. This provides safekeeping and a theft-proof operation of the blade cover member even for non-use cases of the cutting tool.

[0012] According to an embodiment of the present invention, the blade cover member is further coupled to the first lever of the cutting tool through a second pivot pin. Provision of multiple pivot pins may be in consideration with a requirement of desired mechanical advantage among other reasons. In another embodiment, in particular if there does not exist a second pivot pin, the blade cover member may be fixed or additionally coupled onto the first lever via a snap fitting or the like.

[0013] According to an embodiment of the present invention, a surface of the blade cover member defines a first opening to receive the first pivot pin, and a second opening to receive the second pivot pin. Optimum locking of the cutting tool with the packaging assembly shall be a priority as provided by first opening and the first pivot pin, and the second opening and the second pivot pin of the present disclosure.

[0014] According to an embodiment of the present invention, a surface of the base plate further defines an arcuate slot to allow movement of the first lever relative to the second lever. During implementation, the arcuate slot constrains the movement of the first lever between the open blade configuration and the closed blade configuration.

[0015] According to an embodiment of the present invention, the blade cover comprises of a transparent material. Use of the transparent material for the blade cover member ensures clear visibility of the cutting edges of the cutting tool at all times. This allows a user to be aware of the sharp cutting edges and ensures safe handling of the cutting tool on display.

[0016] According to an embodiment of the present invention, a secondary cover member is pivotally coupled to the base plate, such that the secondary cover member is adapted to restrain the second lever of the cutting tool over the base plate. The secondary cover member provides additional restrain on the second lever for optimum securement to the base plate of the packaging assembly.

[0017] According to an embodiment of the present invention, the base plate has one or more markings on a surface of the base plate. The markings are indicative of a size of an object which may be received for cutting between the first cutting edge and the second cutting edge. This allows the user to have a better understanding of profile of the object (say a branch) to be cut by the cutting tool.

[0018] According to an embodiment of the present invention, the packaging assembly further includes a surface cover adapted to cover the base plate. The surface cover may have at least one information such as specifications of the cutting tool, potential application areas, brand information, brand logo etc. displayed on the surface cover.

[0019] According to an embodiment of the present invention, the base plate further defines a hole to enable hanging the packaging assembly on a display panel. This finds applications such as for marketing, storing of the cutting tool in the packaging assembly.

[0020] According to an embodiment of the present invention, the cutting tool is a lopper. The cutting tool can be any tool as used or known in the art such as pruner, shears, or any other such cutting tools.

[0021] Other features and aspects of this invention will be apparent from the following description and the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0022] The invention will be described in more detail with reference to the enclosed drawings, wherein:

FIGS. 1A and **1B** show perspective views of a packaging assembly which houses a cutting tool in a closed blade configuration, in accordance with an embodiment of the present invention;

FIGS. 2A and **2B** show perspective views of the packaging assembly with the cutting tool in an open blade configuration, in accordance with an embodiment of the present invention;

FIGS. 3A and **3B** show perspective views of the packaging assembly, in accordance with an embodiment of the present invention; and

FIGS. 4A and **4B** shows perspective views of the packaging assembly, in accordance with an embodiment of the present invention.

DESCRIPTION OF EMBODIMENTS

[0023] The present invention will be described more fully hereinafter with reference to the accompanying drawings, in which example embodiments of the invention incorporating one or more aspects of the present invention are shown. This invention may, however, be embodied in many different forms and should not be construed as limited to the embodiments set forth herein; rather, these embodiments are provided so that this disclosure will be thorough and complete, and will fully convey the scope of the invention to those skilled in the art. For example, one or more aspects of the present invention can be utilized in other embodiments and even other types of structures and/or methods. In the drawings, like numbers refer to like elements.

[0024] Certain terminology is used herein for convenience only and is not to be taken as a limitation on the invention. For example, "upper", "lower", "front", "rear", "side", "longitudinal", "lateral", "transverse", "upwards", "downwards", "forward", "backward", "sideward", "left," "right," "horizontal," "vertical," "upward", "inner", "outer", "inward", "outward", "top", "bottom", "higher", "above",

"below", "central", "middle", "intermediate", "between", "end", "adjacent", "proximate", "near", "distal", "remote", "radial", "circumferential", or the like, merely describe the configuration shown in the Figures. Indeed, the components may be oriented in any direction and the terminology, therefore, should be understood as encompassing such variations unless specified otherwise.

[0025] In the drawings and specification, there have been disclosed preferred embodiments and examples of the invention and, although specific terms are employed, they are used in a generic and descriptive sense only and not for the purpose of limitation of the scope of the invention being set forth in the following claims.

[0026] **FIGS. 1A** and **1B** illustrate front and back views respectively of a packaging assembly **100** as used for packaging a cutting tool **120.** The present disclosure illustrates the cutting tool **120** as a pruner, however the packaging assembly **100** can be readily used with any other tool (such as shear, scissor, lopper or the like) or even fixture as known or used in the art. Thus, the present disclosure is not to be limited by the type of the cutting tool **120** in any manner.

[0027] The packaging assembly **100** includes a base plate **102.** The base plate **102** has a surface which defines a cavity **104.** The packaging assembly **100** includes a primary cover member **106** coupled to the base plate **102.** The primary cover member **104** is pivotally coupled to the base plate **102.** The primary cover member **104** may pivot between an open position and a closed position. The primary cover member **104** restrains the cutting tool **120** over the base plate 102 such that the cutting tool **120** may move between an open blade configuration and a closed blade configuration.

[0028] The packaging assembly **100** comprises a pivotally hinged section adapted to pivot between an open position and a closed position allowing the cutting tool **120** to be inserted into the packaging assembly **100.** The pivotally hinged section **106** may be the primary cover member **106.** This allows ease of placement or removal of the cutting tool **120** to/from the packaging assembly **100.** Additionally, or alternatively, the pivotally hinged section **106** may be a part of the base plate **102.** In such cases, the part of the base plate **102** will need to be hinged depending upon placement or removal of the cutting tool **120.**

[0029] The base plate **102** of the packaging assembly **100** further defines an arcuate slot **108.** During implementation, the cutting tool **120** may engage with the arcuate slot **108** to allow movement of a first lever **122** relative to a second lever **130.** The base plate **102** of the packaging assembly **100** has one or more markings **110** on a surface of the base plate **102** indicative of a size of an object which may be received for cutting between the first cutting edge **124** and the second cutting edge **132.** The markings **110** serve as a guide of the ability of the concerned cutting tool **120** to cut a range of objects such as branches. Moreover, the markings **110** can directly correspond to the diameter of the objects to allow better comparison between different cutting tools **120** without having to remove the cutting tools **120** from their packaging assemblies.

[0030] In some embodiments, the packaging assembly **100** may have additional features which can contribute to increasing its appeal for application with different types of the cutting tools **120.** Preferably in case of smaller cutting tools, the base plate **102** of the packaging assembly **100** further defines a hole **112** to enable hanging the packaging assembly **100** on a display panel (of a shop) or even in premises of the user. This enables the user to store the cutting tool **120** in the packaging assembly **100** especially for non-use periods of the cutting tool **120.**

[0031] The cutting tool **120** has the first lever **122** defining a first cutting edge **124,** and the second lever **130** defining a second cutting edge **132.** In some embodiments, a secondary cover member **126** is pivotally coupled to the base plate **102,** such that the secondary cover member **126** is adapted to restrain the second lever **130** of the cutting tool **120** over the base plate **102.**

[0032] The base plate **102** receives the cutting tool **120** such that a first pivot pin **134** coupling the first lever **122** and the second lever **130** of the cutting tool **120** is received inside the cavity **104.** Further, the first pivot pin **134** can be supplemented by a second pivot pin **136** depending upon the type of the cutting tool **120.** Moreover, the primary cover member **106** restrains the cutting tool **120** over the base plate **102** such that the cutting tool **120** can move between a closed blade configuration (shown in **FIGS. 1A** and **1B**) and an open blade configuration (shown in **FIGS. 2A** and **2B**).

[0033] The packaging assembly **100** further includes a blade cover member **140** fixedly coupled to the first cutting edge **124** of the cutting tool **120** such that the blade cover member **140** covers a space between the first cutting edge **124** and the second cutting edge **132.** As best illustrated in **FIG. 1A,** the blade cover member **140** stays between the first cutting edge **124** and the second cutting edge **132** in the closed blade configuration of the cutting tool **120.** Further, since the blade cover member **140** is preferably made of a transparent or translucent material, depending upon the application requirements, a user can better appreciate the first cutting edge **124** or the second cutting edge **132** without a need of removing the blade cover member **140.** This feature serves dual-purpose of protecting the user as well as the cutting tool **120** as will be appreciated by reference to various embodiments of the present disclosure.

[0034] **FIGS. 2A** and **2B** illustrate perspective views of the packaging assembly **100** with the cutting tool **120** in the open blade configuration, in accordance with an embodiment of the present invention. The blade cover member **140** covers an open space between the first cutting edge **124** and the second cutting edge **132** in the open blade configuration of the cutting tool **120.** This ensures improved safety and protection for a user engaging with the open blade configuration. Moreover, protection by the blade cover member **140** ensures a longer and main-

tenance-free life at least till the time of first use of the cutting tool **120.**

[0035] The blade cover member **140** of the present disclosure can serve multiple purposes with or without the packaging assembly **100.** Initially, the blade cover member **140** protects the first cutting edge **124** of the cutting tool **120** while the cutting tool **120** remains in the packaging assembly **100.** Later, such as after-sale or first-use, the cutting tool **120** is taken out from the packaging assembly **100,** however the blade cover member **140** may still be used without the packaging assembly **100** for a required time. This is allowed since the blade cover member **140** can be readily assembled or disassembled with the packaging assembly **100** as per the need.

[0036] In some embodiments, the blade cover member **140** is coupled to the cutting tool **120** through the first pivot pin **134.** The blade cover member **140** is further coupled to the first lever **122** of the cutting tool **120** through the second pivot pin **136.**

[0037] **FIGS. 3A** and **3B** illustrate perspective views of the packaging assembly **100,** in accordance with an embodiment of the present invention. The packaging assembly **100** further includes a surface cover (not shown), which can be used to cover any face or side of the base plate **102.** As will be appreciated by a person having skill in the art, the surface cover may have at least one information such as, but not limited to, specifications, price, brand logo of the cutting tool **120** displayed on the surface cover.

[0038] **FIGS. 4A** and **4B** illustrate perspective views of the packaging assembly **100** without the cutting tool **120,** in accordance with an embodiment of the present invention. As illustrated, surface of the blade cover member **140** defines a first opening **402** to receive the first pivot pin **134,** and a second opening **404** to receive the second pivot pin **136.** In some embodiments, the blade cover member **140** can have only one opening to receive the first pivot pin **134.** As will be appreciated by a person having ordinary knowledge in the art, preference for a single or multiple opening such as the first opening **402** and the second opening **404** will usually depend upon factors such as relating to the cutting tool **120.**

[0039] In the drawings and specification, there have been disclosed preferred embodiments and examples of the invention and, although specific terms are employed, they are used in a generic and descriptive sense only and not for the purpose of limitation of the scope of the invention being set forth in the following claims.

LIST OF ELEMENTS

[0040]

100 Packaging Assembly
102 Base Plate
104 Cavity
106 Primary Cover Member
108 Arcuate Slot
110 Markings
112 Hole
120 Cutting Tool
122 First Lever
124 First Cutting Edge
126 Secondary Cover Member
130 Second Lever
132 Second Cutting Edge
134 First Pivot Pin
136 Second Pivot Pin
140 Blade Cover Member
402 First Opening
404 Second Opening

Claims

1. A packaging assembly **(100)** for a cutting tool **(120),** the cutting tool **(120)** having a first lever **(122)** defining a first cutting edge **(124),** and a second lever **(130)** defining a second cutting edge **(132),** wherein the packaging assembly **(100)** comprises:

a base plate **(102)** adapted to receive the cutting tool **(120),** wherein the base plate **(102)** defines a cavity **(104)** such that a first pivot pin **(134)** coupling the first lever **(122)** and the second lever **(130)** of the cutting tool **(120)** is received inside the cavity **(104);**

a primary cover member **(106)** coupled to the base plate **(102)** adapted to restrain the cutting tool **(120)** over the base plate **(102)** such that the cutting tool **(120)** can move between an open blade configuration and a closed blade configuration; and

wherein the packaging assembly **(100)** comprises a pivotally hinged section **(106)** adapted to pivot between an open position and a closed position allowing the cutting tool **(120)** to be inserted into the packaging assembly **(100);**

characterized in that:

the packaging assembly **(100)** further includes a blade cover member **(140)** for being fixedly coupled to the first cutting edge **(124)** of the cutting tool **(120)** such that the blade cover member **(140)** covers an open space between the first cutting edge **(124)** and the second cutting edge **(132)** in an open blade configuration of the cutting tool **(120).**

2. The packaging assembly **(100)** of any of the preceding claims, wherein the pivotally hinged section **(106)** is a part of the base plate **(102).**

3. The packaging assembly **(100)** of any of the preceding claims, wherein the pivotally hinged section **(106)** is the primary cover member **(106).**

4. The packaging assembly **(100)** of any of the preceding claims, wherein the blade cover member **(140)** is coupled to the cutting tool **(120)** through the first pivot pin **(134).**

5. The packaging assembly **(100)** of any of the preceding claims, wherein the blade cover member **(140)** is further coupled to the first lever **(122)** of the cutting tool **(120)** through a second pivot pin **(136).**

6. The packaging assembly **(100)** of claim **5,** wherein a surface of the blade cover member **(140)** defines a first opening **(402)** to receive the first pivot pin **(134),** and a second opening **(404)** to receive the second pivot pin **(136).**

7. The packaging assembly **(100)** of any of the preceding claims, wherein a surface of the base plate **(102)** further defines an arcuate slot **(108)** to allow movement of the first lever **(122)** relative to the second lever **(130).**

8. The packaging assembly **(100)** of any of the preceding claims, wherein the blade cover member **(140)** comprises of a transparent material.

9. The packaging assembly **(100)** of any of the preceding claims, wherein a secondary cover member **(126)** pivotally is coupled to the base plate **(102),** such that the secondary cover member **(126)** is adapted to restrain the second lever **(130)** of the cutting tool **(120)** over the base plate **(102).**

10. The packaging assembly **(100)** of any of the preceding claims, wherein the base plate **(102)** has one or more markings **(110)** on a surface of the base plate **(102)** indicative of a size of an object which is received for cutting between the first cutting edge **(124)** and the second cutting edge **(132).**

11. The packaging assembly **(100)** of any of the preceding claims, further including a surface cover adapted to cover the base plate **(102),** wherein the surface cover has at least one information displayed on the surface cover.

12. The packaging assembly **(100)** of any of the preceding claims, wherein the base plate **(102)** further defines a hole **(112)** to enable hanging the packaging assembly **(100)** on a display panel.

13. The packaging assembly **(100)** of any of the preceding claims, wherein the cutting tool **(120)** is a lopper.

Patentansprüche

1. Verpackungsanordnung (100) für ein Schneidwerkzeug (120), wobei das Schneidwerkzeug (120) einen ersten Hebel (122), der eine erste Schneidkante (124) definiert, und einen zweiten Hebel (130), der eine zweite Schneidkante (132) definiert, aufweist, wobei die Verpackungsanordnung (100) umfasst:

eine Grundplatte (102), die geeignet ist, das Schneidwerkzeug (120) aufzunehmen, wobei die Grundplatte (102) einen Hohlraum (104) definiert, so dass ein erster Drehzapfens (134), der den ersten Hebel (122) und den zweiten Hebel (130) des Schneidwerkzeugs (120) koppelt, innerhalb des Hohlraums (104) aufgenommen wird;
ein primäres Abdeckelement (106), das mit der Grundplatte (102) gekoppelt ist, das geeignet ist, das Schneidwerkzeug (120) über der Grundplatte (102) zurückzuhalten, so dass sich das Schneidwerkzeug (120) zwischen einer offenen Klingenkonfiguration und einer geschlossenen Klingenkonfiguration bewegen kann; und
wobei die Verpackungsanordnung (100) einen schwenkbar angelenkten Abschnitt (106) umfasst, der angepasst ist, um zwischen einer offenen Position und einer geschlossenen Position zu schwenken, wodurch das Schneidwerkzeug (120) in die Verpackungsanordnung (100) eingeführt werden kann,
dadurch gekennzeichnet, dass:
die Verpackungsanordnung (100) ferner ein Klingenabdeckungselement (140) umfasst, um fest mit der ersten Schneidkante (124) des Schneidwerkzeugs (120) gekoppelt zu werden, so dass das Klingenabdeckungselement (140) einen offenen Raum zwischen der ersten Schneidkante (124) und der zweiten Schneidkante (132) in einer offenen Klingenkonfiguration des Schneidwerkzeugs (120) abdeckt.

2. Verpackungsanordnung (100) nach einem der vorhergehenden Ansprüche, wobei der schwenkbar angelenkte Abschnitt (106) ein Teil der Grundplatte (102) ist.

3. Verpackungsanordnung (100) nach einem der vorhergehenden Ansprüche, wobei der schwenkbar angelenkte Abschnitt (106) das primäre Abdeckelement (106) ist.

4. Verpackungsanordnung (100) nach einem der vorhergehenden Ansprüche, wobei das Klingenabdeckungselement (140) mit dem Schneidwerkzeug (120) durch den ersten Drehzapfen (134) gekoppelt ist.

5. Verpackungsanordnung (100) nach einem der vorhergehenden Ansprüche, wobei das Klingenabdeckungselement (140) ferner mit dem ersten Hebel

(122) des Schneidwerkzeugs (120) durch einen zweiten Drehstift (136) gekoppelt ist.

6. Verpackungsanordnung (100) nach Anspruch 5, wobei eine Oberfläche des Klingenabdeckungselements (140) eine erste Öffnung (402) zum Aufnehmen des ersten Drehzapfens (134) und eine zweite Öffnung (404) zum Aufnehmen des zweiten Drehzapfens (136) definiert.

7. Verpackungsanordnung (100) nach einem der vorhergehenden Ansprüche, wobei eine Oberfläche der Grundplatte (102) ferner einen bogenförmigen Schlitz (108) definiert, um eine Bewegung des ersten Hebels (122) relativ zum zweiten Hebel (130) zu ermöglichen.

8. Verpackungsanordnung (100) nach einem der vorhergehenden Ansprüche, wobei das Klingenabdeckungselement (140) aus einem transparenten Material besteht.

9. Verpackungsanordnung (100) nach einem der vorhergehenden Ansprüche, wobei ein sekundäres Abdeckelement (126) schwenkbar mit der Grundplatte (102) derart gekoppelt ist, dass das sekundäre Abdeckelement (126) angepasst ist, um den zweiten Hebel (130) des Schneidwerkzeugs (120) über der Grundplatte (102) zu halten.

10. Verpackungsanordnung (100) nach einem der vorhergehenden Ansprüche, wobei die Grundplatte (102) eine oder mehrere Markierungen (110) auf einer Oberfläche der Grundplatte (102) aufweist, die eine Größe eines zum Schneiden aufgenommenen Gegenstands zwischen der ersten Schneidkante (124) und der zweiten Schneidkante (132) anzeigen.

11. Verpackungsanordnung (100) nach einem der vorhergehenden Ansprüche, die ferner eine Oberflächenabdeckung umfasst, die angepasst ist, um die Grundplatte (102) abzudecken, wobei die Oberflächenabdeckung mindestens eine auf der Oberflächenabdeckung angezeigte Information aufweist.

12. Verpackungsanordnung (100) nach einem der vorhergehenden Ansprüche, wobei die Grundplatte (102) ferner ein Loch (112) definiert, um das Aufhängen der Verpackungsanordnung (100) an einer Anzeigetafel zu ermöglichen.

13. Verpackungsanordnung (100) nach einem der vorhergehenden Ansprüche, wobei das Schneidwerkzeug (120) eine Astschere ist.

Revendications

1. Ensemble d'emballage **(100)** pour un outil de coupe **(120),** l'outil de coupe **(120)** ayant un premier levier **(122)** définissant un premier bord de coupe **(124),** et un second levier **(130)** définissant un second bord de coupe **(132),** dans lequel l'ensemble d'emballage **(100)** comprend :

une plaque de base **(102)** conçue pour recevoir l'outil de coupe **(120),** dans lequel la plaque de base **(102)** définit une cavité **(104)** telle qu'un premier axe de pivot **(134)** couplant le premier levier **(122)** et le second levier **(130)** de l'outil de coupe **(120)** est reçu à l'intérieur de la cavité **(104)** ;
un élément de couverture principal **(106)** couplé à la plaque de base **(102)** conçu pour retenir l'outil de coupe **(120)** sur la plaque de base **(102)** de sorte que l'outil de coupe **(120)** puisse se déplacer entre une configuration de lame ouverte et une configuration de lame fermée ; et
dans lequel l'ensemble d'emballage **(100)** comprend une section articulée de manière pivotante **(106)** conçue pour pivoter entre une position ouverte et une position fermée permettant à l'outil de coupe **(120)** d'être inséré dans l'ensemble d'emballage **(100)** ;
caractérisé en ce que :
l'ensemble d'emballage **(100)** comprend en outre un élément de couverture de lame **(140)** destiné à être couplé de manière fixe au premier bord de coupe **(124)** de l'outil de coupe **(120)** de sorte que l'élément de couverture de lame **(140)** couvre un espace ouvert entre le premier bord de coupe **(124)** et le second bord de coupe **(132)** dans une configuration de lame ouverte de l'outil de coupe **(120).**

2. Ensemble d'emballage **(100)** selon l'une quelconque des revendications précédentes, dans lequel la section articulée de manière pivotante **(106)** est une partie de la plaque de base **(102).**

3. Ensemble d'emballage **(100)** selon l'une quelconque des revendications précédentes, dans lequel la section articulée de manière pivotante **(106)** est l'élément de couverture principal **(106).**

4. Ensemble d'emballage **(100)** selon l'une quelconque des revendications précédentes, dans lequel l'élément de couverture de lame **(140)** est couplé à l'outil de coupe **(120)** par l'intermédiaire du premier axe de pivot **(134).**

5. Ensemble d'emballage **(100)** selon l'une quelconque des revendications précédentes, dans lequel l'élément de couverture de lame **(140)** est en outre cou-

plé au premier levier **(122)** de l'outil de coupe **(120)** par l'intermédiaire d'un second axe de pivot **(136).**

6. Ensemble d'emballage **(100)** selon la revendication **5,** dans lequel une surface de l'élément de couverture de lame **(140)** définit une première ouverture **(402)** pour recevoir le premier axe de pivot **(134),** et une seconde ouverture **(404)** pour recevoir le second axe de pivot **(136).**

7. Ensemble d'emballage **(100)** selon l'une quelconque des revendications précédentes, dans lequel une surface de la plaque de base **(102)** définit en outre une fente arquée **(108)** pour permettre le déplacement du premier levier **(122)** par rapport au second levier **(130).**

8. Ensemble d'emballage **(100)** selon l'une quelconque des revendications précédentes, dans lequel l'élément de couverture de lame **(140)** est constitué d'un matériau transparent.

9. Ensemble d'emballage **(100)** selon l'une quelconque des revendications précédentes, dans lequel un élément de couverture secondaire **(126)** est couplé de manière pivotante à la plaque de base **(102),** de sorte que l'élément de couverture secondaire **(126)** est conçu pour retenir le second levier **(130)** de l'outil de coupe **(120)** sur la plaque de base **(102).**

10. Ensemble d'emballage **(100)** selon l'une quelconque des revendications précédentes, dans lequel la plaque de base **(102)** comporte un ou plusieurs marquages **(110)** sur une surface de la plaque de base **(102)** indiquant une taille d'un objet qui est reçu pour être coupé entre le premier bord de coupe **(124)** et le second bord de coupe **(132).**

11. Ensemble d'emballage **(100)** selon l'une quelconque des revendications précédentes, comprenant en outre un couvercle de surface conçu pour couvrir la plaque de base **(102),** dans lequel le couvercle de surface a au moins une information affichée sur le couvercle de surface.

12. Ensemble d'emballage **(100)** selon l'une quelconque des revendications précédentes, dans lequel la plaque de base **(102)** définit en outre un trou **(112)** pour permettre la suspension de l'ensemble d'emballage **(100)** sur un panneau d'exposition.

13. Ensemble d'emballage **(100)** selon l'une quelconque des revendications précédentes, dans lequel l'outil de coupe **(120)** est un ébrancheur.

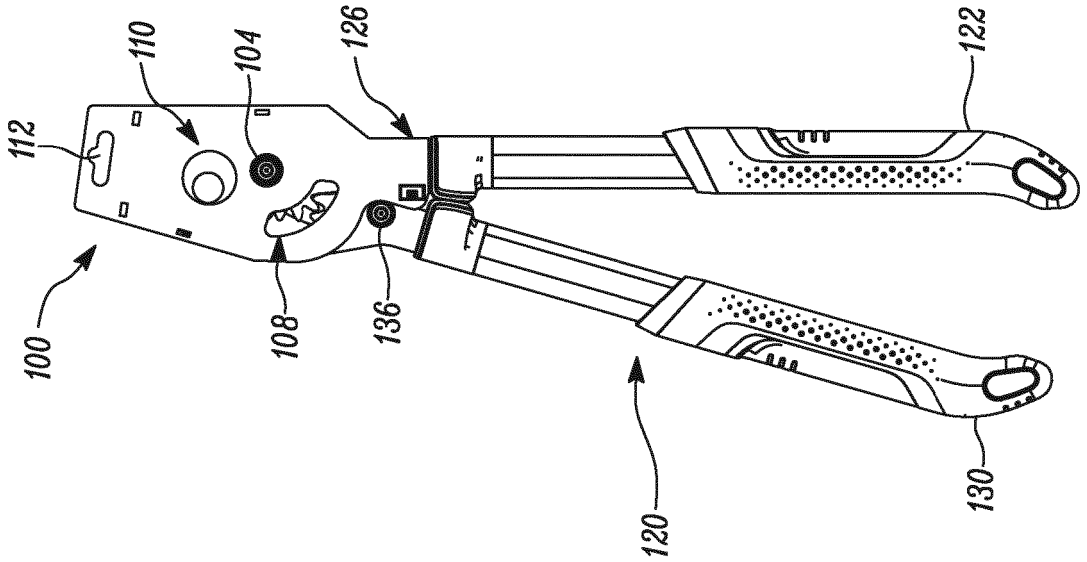
112
110
104
126
122
100
108
136
120
130

FIG. 1B

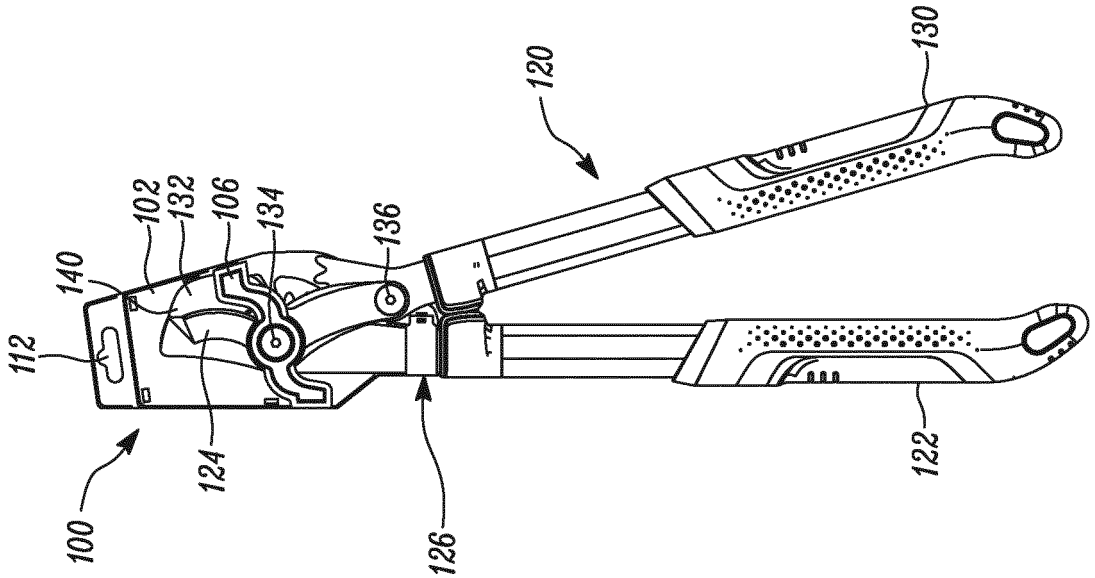
120
130
102
132
106
134
136
140
112
124
100
126
122

FIG. 1A

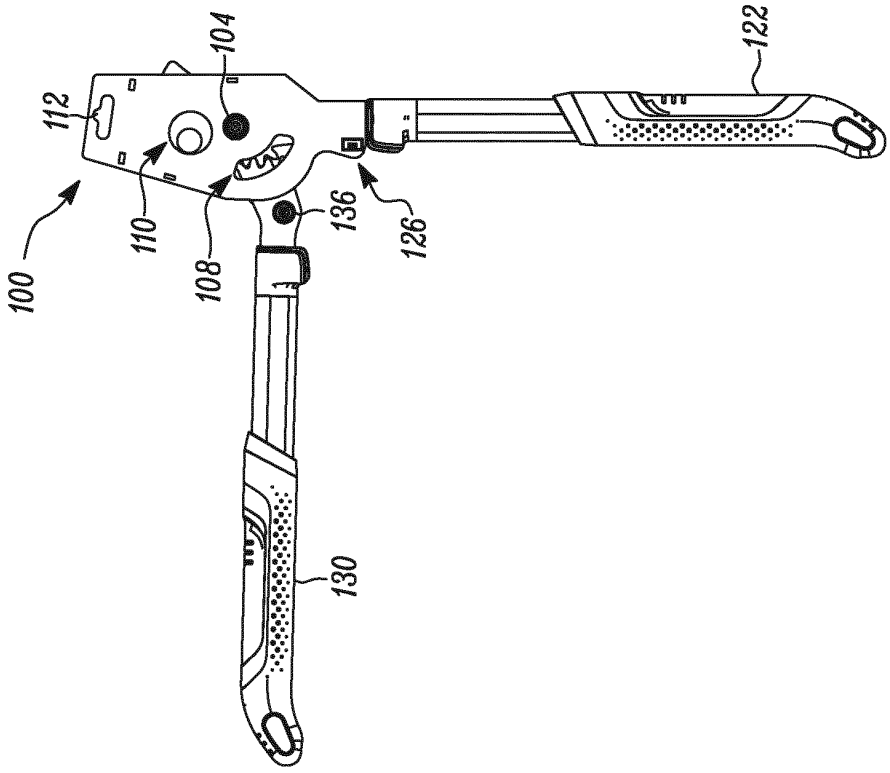
104
122
112
110
108
136
126
100
130

FIG. 2B

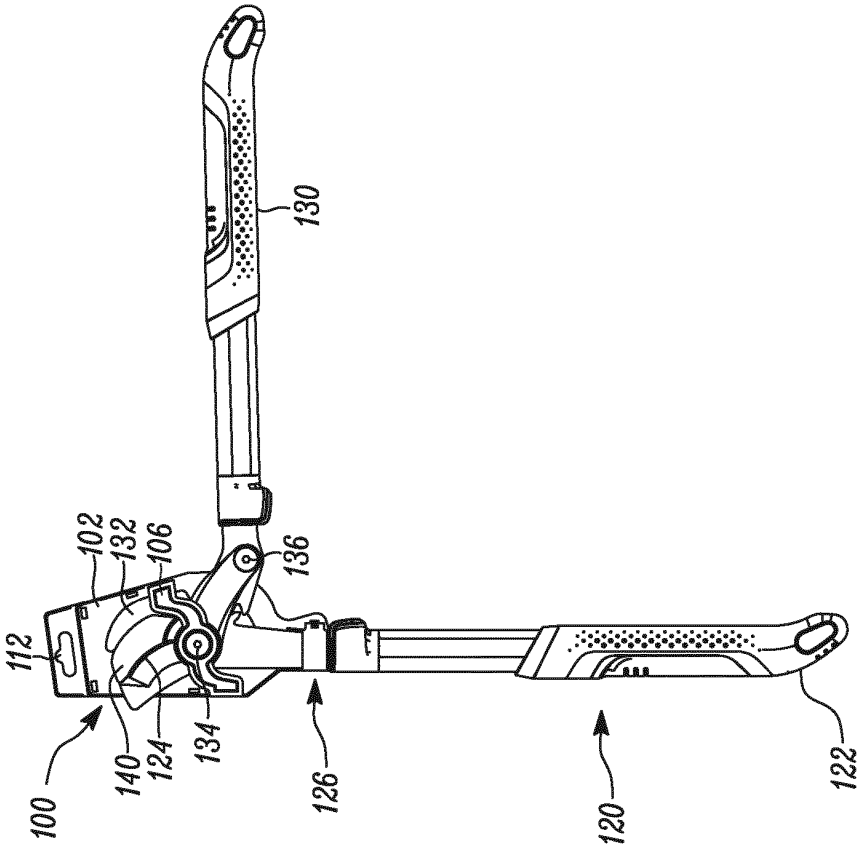
130
102
132
106
136
112
140
124
134
126
120
122
100

FIG. 2A

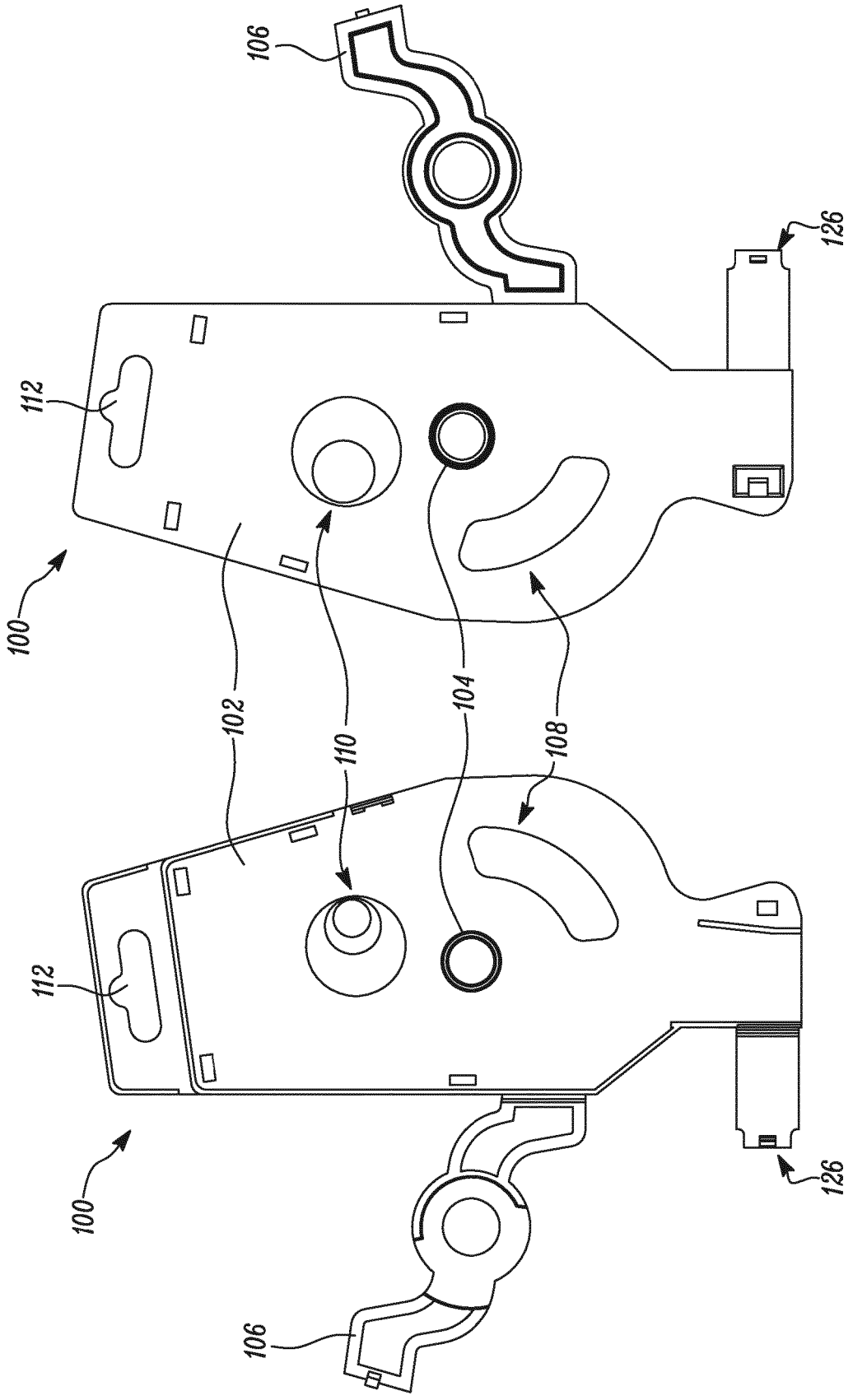

FIG. 3B

FIG. 3A

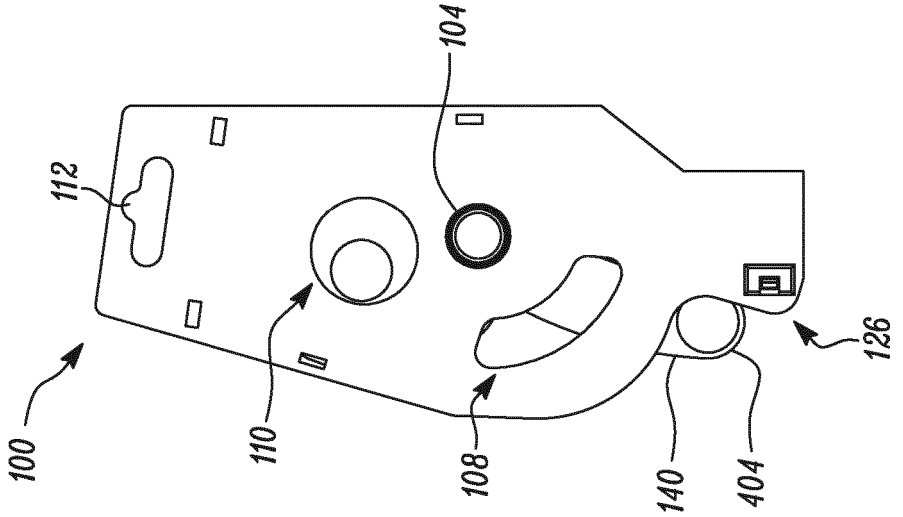
104
112
100
110
108
140
404
126

FIG. 4B

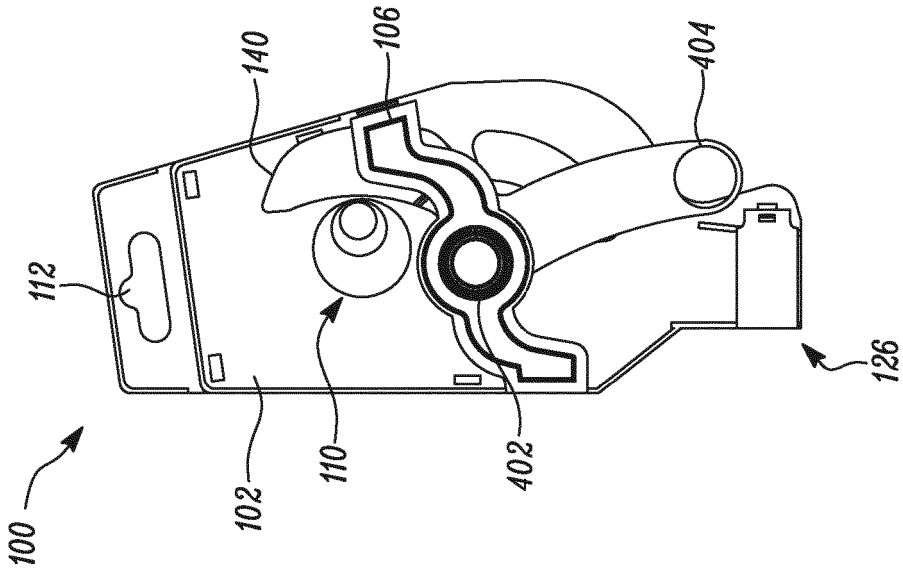
140
106
404
112
126
100
102
110
402

FIG. 4A

REFERENCES CITED IN THE DESCRIPTION

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