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(72) Inventors:
 • **Knopf, Daniel**
89233 Neu-Ulm (DE)
 • **Fischer, Anna**
89073 Ulm (DE)

(71) Applicant: **HUSQVARNA AB**
561 82 Huskvarna (SE)

(74) Representative: **Finkele, Rolf**
Gardena Manufacturing GmbH
Hans-Lorenser-Straße 40
89079 Ulm (DE)

(54) **PACKAGE FOR CUTTING TOOL**

(57) A package (100) includes a package body (110) adapted to package a cutting tool (150). The package body (110) including one or more first cut-out sections (120) adapted to at least partially cover one or more cutting edges (152, 154) of the cutting tool (150). The package (100) is characterized in that the package body (110) includes one or more second cut-out sections (130) such that a removable fastener (162) engages therewith. The

removable fastener (162) is adapted to engage with at least one handle (156) of the cutting tool (150). The removable fastener (162) allows removable coupling between the cutting tool (150) and the package (100) by engaging with a hole (160) of the at least one handle (156) of the cutting tool (150) and the one or more second cut-out sections (130) of the package (100).

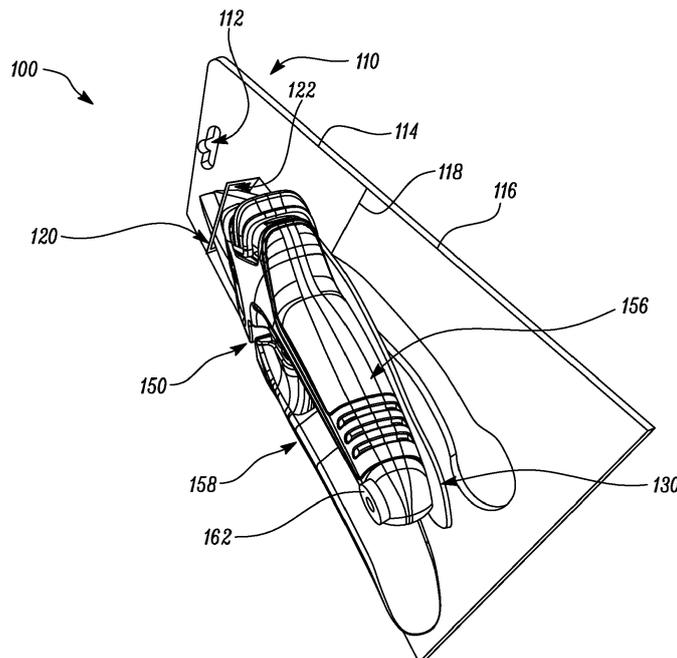


FIG. 4

Description

TECHNICAL FIELD

[0001] The present disclosure relates to a package for cutting tools. More specifically, the present disclosure relates to a package for cutting tools which allows improved showcasing and packaging of the cutting tools.

BACKGROUND

[0002] Cutting tools, particularly small cutting tools, are generally packaged within a package which usually includes a vertical hanging arrangement. This allows a potential buyer to better interact with different details and specifications of the cutting tools and assess whether the cutting tool suits his/her needs. The package generally has a transparent plastic cover which covers at least some parts of the cutting tools. This transparent plastic may limit ability of the potential buyer to interact with the cutting tool. There have been numerous efforts to limit or avoid application of the plastic cover for the cutting tools.

[0003] Some packages also allow the potential buyer to perform limited operations with the cutting tools without having to completely disassemble or open up the package. However, this could pose certain security threats for the potential buyer and may also have a bearing on the life of the package or cutting edges of the cutting tool. Further, there are constraints to better market the cutting tools, preferably with better utilization of the package of the cutting tools for providing written description about the cutting tool. These issues make a case to ensure better trial, showcasing of the cutting tool within the package, while avoiding use of the transparent plastic cover.

[0004] Thus, there is a need of an improved package which allows to enhance appeal, and user trial of the cutting tools packaged within the package.

SUMMARY

[0005] 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 package. The package includes a package body for packaging a cutting tool. The package body includes one or more first cut-out sections which at least partially cover one or more cutting edges of the cutting tool. The package is characterized in that the package body includes one or more second cut-out sections such that a removable fastener engages therewith. The removable fastener is adapted to engage with at least one handle of the cutting tool. Further, the removable fastener allows removable coupling between the cutting tool and the package by engaging with a hole of the at least one handle of the cutting tool and the one or more second cut-out sections of the package.

[0006] According to an embodiment of the present in-

vention, the removable fastener is a pin. This allows ease of coupling between the cutting tool and the package by application of the pin.

[0007] According to an embodiment of the present invention, the hole of the cutting tool is provided at an end of the handle which is opposite to the cutting edges of the cutting tool. This ensures that the handle of the cutting tool is relatively free to move with respect to the cutting edge, while being assembled within the package.

[0008] According to an embodiment of the present invention, the hole is a wrist strap hole of the cutting tool. This allows use of the wrist strap hole to fasten or assemble the cutting tool with the package.

[0009] According to an embodiment of the present invention, the one or more second cut-out sections resembles a shape of the handle which includes the hole. This shape of the second cut-out sections allows ease of engagement with the handle of the cutting tool, while the cutting tool remains within the package.

[0010] According to an embodiment of the present invention, the package body includes a first body part and a second body part joined to each other at a line of weakness. This allows that the second body part is foldable or removable from the package body along the line of weakness. This provision of the removable second body part allows ease of engagement and trial of the cutting tool within the package.

[0011] According to an embodiment of the present invention, the cutting tool is a shear. The cutting tool maybe any portable tool such as a shear, secateurs, scissors, and the like.

[0012] According to an embodiment of the present invention, a cutting tool is packaged with the package. The package allows easy and convenient handling of the cutting tool, while ensuring protection to the cutting edges thereof.

[0013] Other features and aspects of this invention will be apparent from the following description and the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

[0014] The invention will be described in more detail with reference to the enclosed drawings, wherein:

FIG. 1 shows a front perspective view of a package which houses a cutting tool, in accordance with an embodiment of the present invention;

FIG. 2 shows a side perspective view of the package with the cutting tool, in accordance with an embodiment of the present invention;

FIG. 3 shows a rear view of the package, in accordance with an embodiment of the present invention;

FIG. 4 shows a perspective view around a handle of the cutting tool with the package, in accordance with

an embodiment of the present invention; and

FIG. 5 shows a front perspective view of the package which houses the cutting tool for a user trial case, in accordance with an embodiment of the present invention.

DESCRIPTION OF EMBODIMENTS

[0015] 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.

[0016] 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.

[0017] 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.

[0018] **FIG. 1** illustrates a package **100** as used for packaging a cutting tool **150**. The present disclosure illustrates the cutting tool **150** as a shear, however the package **100** can be readily used with any other tool (such as scissor, lopper, and 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 **150** in any manner.

[0019] As illustrated in **FIG. 1**, the package **100** include a package body **110** adapted to package **100** the cutting tool **150**. The package body **110** includes a mounting cavity **112**. The mounting cavity **112** may allow ease of hanging of the package **100**. The mounting cavity **112** may be mounted with any wall hanging means such as nails, brackets, and the like. The present disclosure is

not limited by choice of hanging surface in any manner.

[0020] The package body **110** includes a first body part **114** and a second body part **116**. The first body part **114** and the second body part **116** are illustrated as joined to each other at a line of weakness **118** of the package body **110**. The line of weakness **118** may be a series of small protrusions, holes, and the like within the package body **110**. The line of weakness **118** may allow partial or complete, folding or removal of any of the first body part **114** and the second body part **116** from the package body **110**, as illustrated in **FIG. 5**.

[0021] In some embodiments, the package body **110** is made of a material of one or more of a cardboard, a plastic, a polymer, and the like. The material of the package body **110** may be selected based upon the cutting tool **150**, or any other implementation factor.

[0022] Referring to **FIGS. 1, 2**, the package body **110** includes one or more first cut-out sections **120**. The first cut-out sections **120** are adapted to at least partially cover one or more cutting edges **152, 154** of the cutting tool **150**. The present disclosure illustrates a first cutting edge **152**, and a second cutting edge **154** collectively referred to as cutting edges **152, 154**.

[0023] The present disclosure illustrates one first cut-out section **120**. The first cut-out section **120** may be obtained by cutting three sides out of rectangular portion in the first body part **114**. Then, the first cut-out section **120** may be folded such that the first cut-out section **120** is generally perpendicular to the package body **110**. Further, the first cut-out section **120** includes a blade hole **122**. The blade hole **122** allows to receive and at least partially cover the cutting edges **152, 154** of the cutting tool **150**, as illustrated in **FIG. 2**.

[0024] The package body **110** includes one or more second cut-out sections **130**. The present disclosure illustrates one second cut-out section **130**. The one or more second cut-out sections **130** are provided such that a removable fastener **162** engages therewith. The removable fastener **162** allows removable coupling between the cutting tool **150** and the package **100** by engaging with a hole **160** (shown in **FIG. 2**) of the at least one handle **156**, herein a first handle **156** of the cutting tool **150**. The second cut-out section **130** may be obtained by cutting a portion in the second body part **116** which resembles a shape of a first handle **156** of the cutting tool **150**. The second cut-out section **130** may be movable with respect to the package body **110**, as illustrated in **FIG. 2**.

[0025] In some embodiments, the one or more second cut-out sections **130** resembles a shape of the handle **156** which includes the hole **160**, as illustrated in **FIGS. 2, 3**. This shape of the second cut-out sections **130** allows ease of engagement with the handle **156** of the cutting tool **150**, while the cutting tool **150** remains within the package **100**.

[0026] Referring to **FIGS. 4, 5**, the removable fastener **162** is adapted to engage with at least one handle **156** (i.e. the first handle **156**) of the cutting tool **150**. In the

present disclosure, the removable fastener **162** is illustrated as engaged with the first handle **156**, however the removable fastener **162** may be engaged with any of the first handle **156** or a second handle **158** of the cutting tool **150**. Further, the removable fastener **162** allows removable coupling between the cutting tool **150** and the package **100** by engaging with the hole **160** of the at least one handle (i.e. the first handle **156**) of the cutting tool **150** and the one or more second cut-out sections **130** of the package **100**.

[0027] In some embodiments, the removable fastener **162** is a pin. However, the removable fastener **162** may be any fastening means such as nut, bolt, clip and the like, and such variations are well within the scope of the present disclosure. This allows ease of removable coupling between the cutting tool **150** and the package **100** by application of the removable fastener **162**.

[0028] In some embodiments, the hole **160** of the cutting tool **150** is provided at an end of the handle **156** which is opposite to the cutting edges **152**, **154** of the cutting tool **150**. This ensures that the handle **156** of the cutting tool **150** is relatively free to move with respect to the cutting edges **152**, **154**, while the cutting tool **150** remains assembled within the package **100**. In an embodiment, the hole **160** is a wrist strap hole **160** of the cutting tool **150**. This allows dual-usage of the wrist strap hole **160**, such as to fasten or assemble the cutting tool **150** with the package **100** and later to use a wrist strap therewith.

[0029] Referring to **FIG. 5**, the cutting tool **150** which is a shear is illustrated with a user hand **170**. The present disclosure provides that the second body part **116** is foldable or removable from the package body **110** along the line of weakness **118** (shown in **FIGS. 1 to 3**). As illustrated in the present figure, the second body part **116** (not visible in the present figure) of the package body **110** is removed or folded. The second body part **116** of the package body **110** may be folded along the line of weakness **118** such that only the second cut-out section **130** remains engaged to the package **100**. The second cut-out section **130** of the package **100** allows engagement of the handle **156** of the cutting tool with the package **100**. This engagement between the second cut-out section **130** and the handle **156** is by presence of the removable fastener **162**. The package **100** thus allows the user hand **170** to properly engage with the first and second handles **156**, **158** of the cutting tool **150**.

[0030] The folded second body part **116** of the package body **110** provides the user hand **170** with sufficient space to engage with the first handle **156** and the second of the cutting tool **150**, as desired. Further, the user hand **170** may be able to operate the cutting tool **150** within the package **100**, with the folded or removed second body part **116** of the package body **110**. The user hand **170** may operate the handles i.e. the first handle **156** and the second handle **158** to check suitability of the cutting tool **150**, among other ergonomic preferences. Further, the first cut-out section **120** will ensure that the cutting edges **152**, **154** of the cutting tool **150** remain shielded within

the first cut-out section **120**, while the cutting tool **150** is operated. Thus, the present disclosure provides that the cutting tool **150** is packaged with the package **100**. The package **100** allows easy and convenient handling of the cutting tool **150**, while ensuring protection to the cutting edges **152**, **154** of the cutting tool **150**.

[0031] 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

[0032]

100	Package
110	Package Body
112	Mounting Cavity
114	First Body Part
116	Second Body Part
118	Line of weakness
120	First cut-out Section
122	Blade Hole
130	Second cut-out Section
150	Cutting Tool
152	First Cutting Edge
154	Second Cutting Edge
156	First Handle/Handle
158	Second Handle
160	Hole
162	Removable Fastener/Pin
170	User Hand

Claims

1. A package (**100**) comprising:

a package body (**110**) adapted to package a cutting tool (**150**), the package body (**110**) including one or more first cut-out sections (**120**) adapted to at least partially cover one or more cutting edges (**152**, **154**) of the cutting tool (**150**);
characterized in that:

the package body (**110**) includes one or more second cut-out sections (**130**) such that a removable fastener (**162**) engages therewith, wherein the removable fastener (**162**) is adapted to engage with at least one handle (**156**) of the cutting tool (**150**), and wherein the removable fastener (**162**) allows removable coupling between the cutting tool (**150**) and the package (**100**) by engaging with a hole (**160**) of the at least one handle (**156**)

of the cutting tool (150) and the one or more second cut-out sections (130) of the package (100).

2. The package (100) of claim 1, wherein the removable fastener (162) is a pin (162). 5

3. The package (100) of claim 1, wherein the hole (160) of the cutting tool (150) is provided at an end of the handle (156) which is opposite to the cutting edges (152, 154) of the cutting tool (150). 10

4. The package (100) of claim 1, wherein the hole (160) is a wrist strap hole of the cutting tool (150). 15

5. The package (100) of claim 1, wherein the one or more second cut-out sections (130) resembles a shape of the handle (156) which includes the hole (160). 20

6. The package (100) of claim 1, wherein the package body (110) includes a first body part (114) and a second body (116) part joined to each other at a line of weakness (118). 25

7. The package (100) of claim 6, wherein the second body part (116) is foldable or removable from the package body (110) along the line of weakness (118). 30

8. The package (100) of claim 1, wherein the cutting tool (150) is a shear. 35

9. A cutting tool (150) packaged with the package (100) of any of the claims 1 to 8. 35

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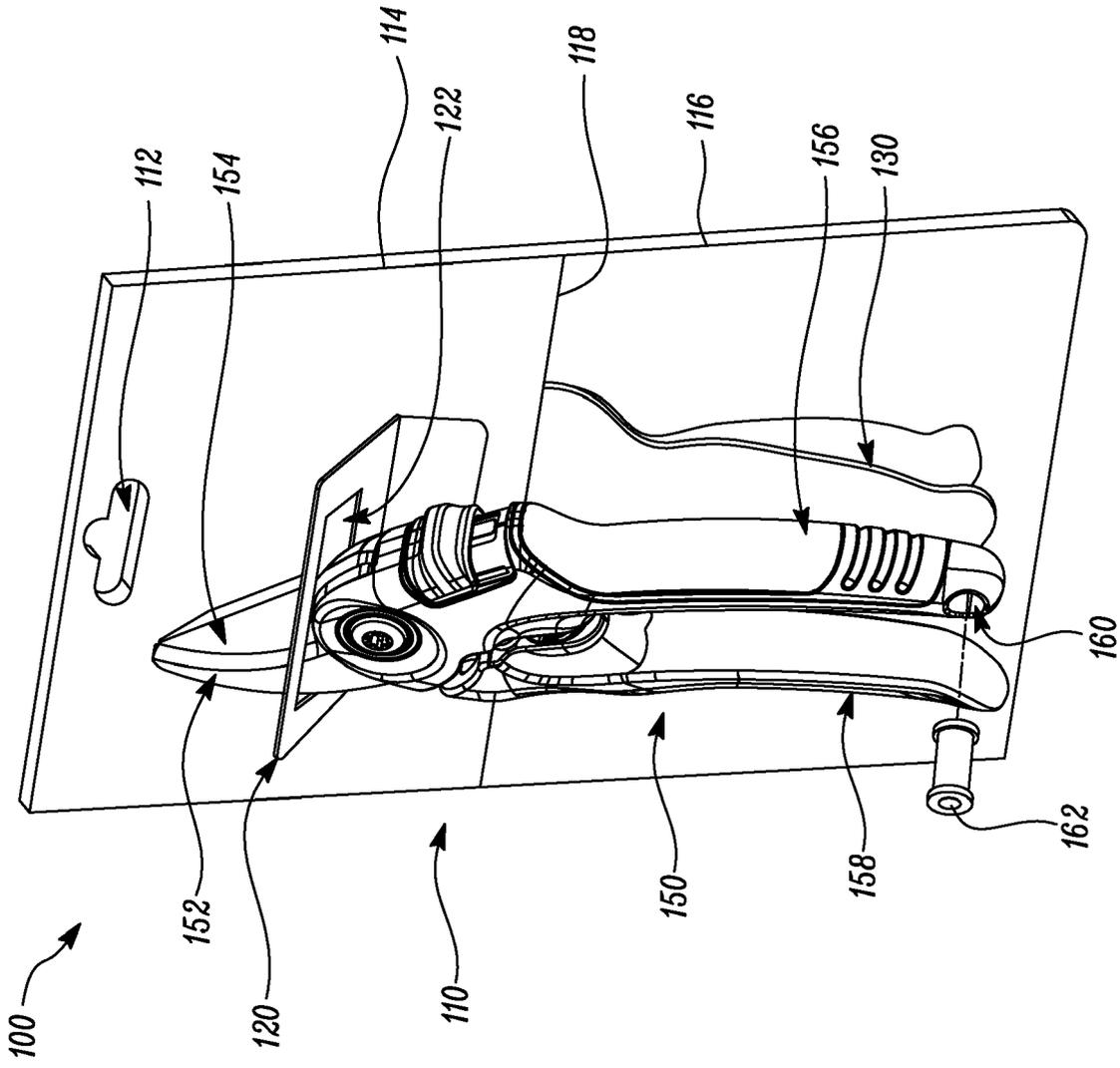


FIG. 2

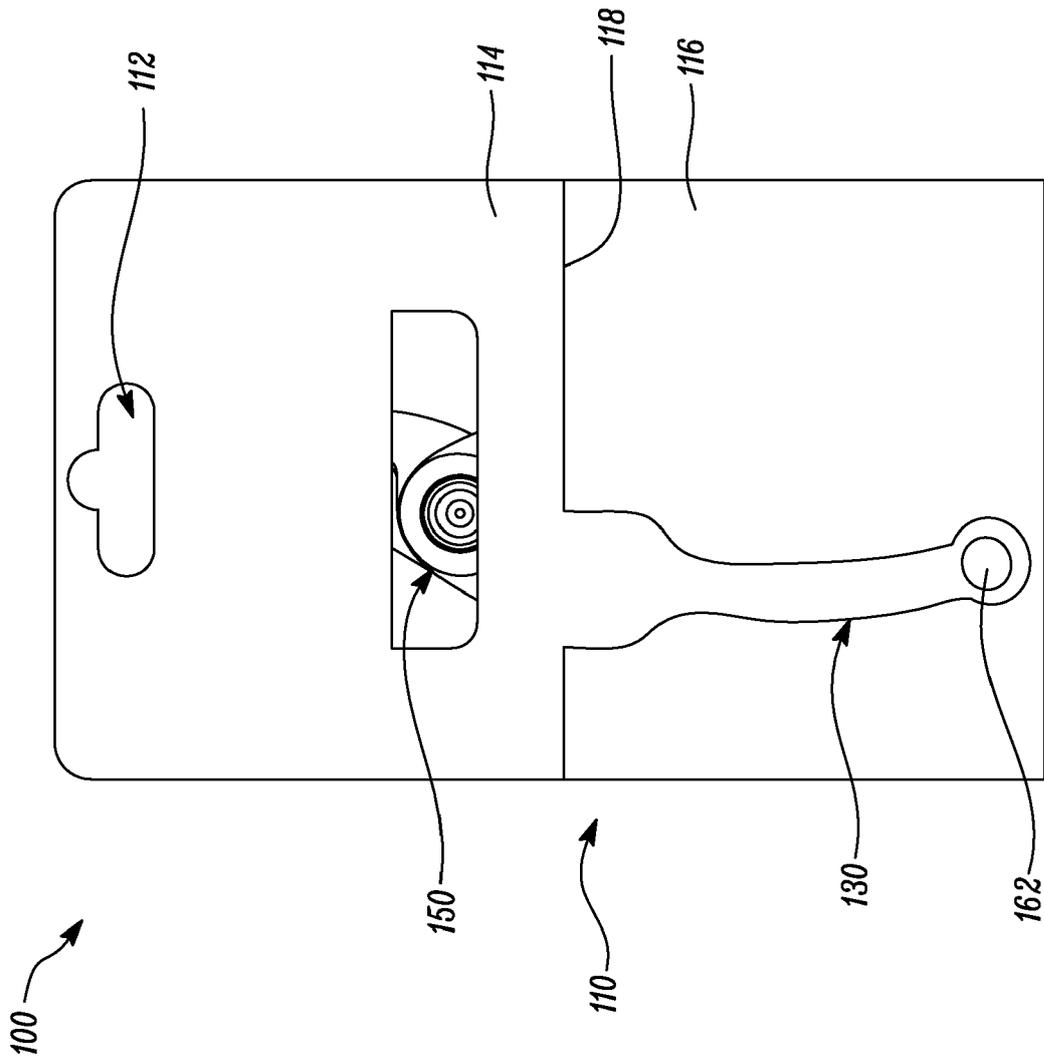


FIG. 3

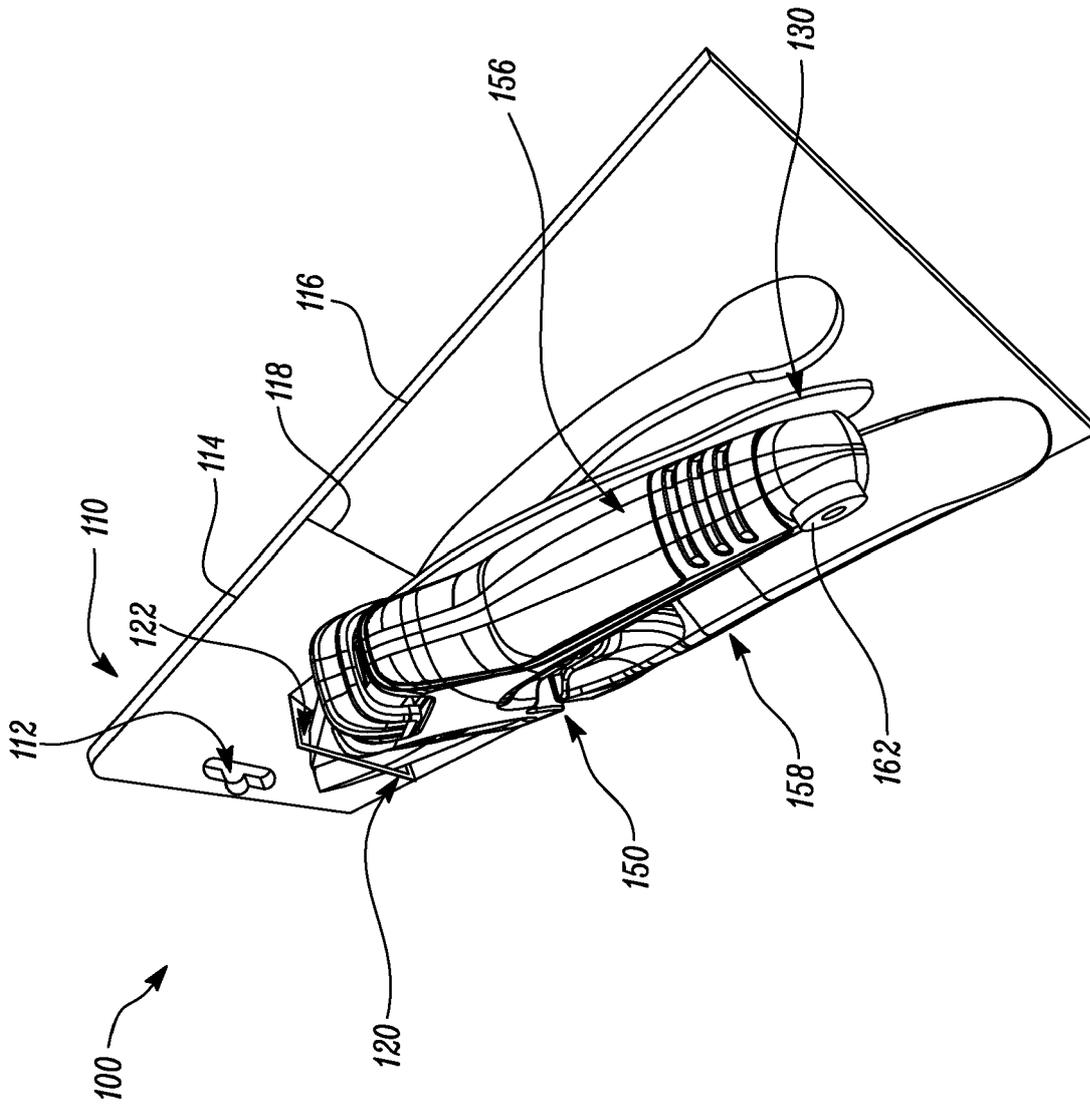


FIG. 4

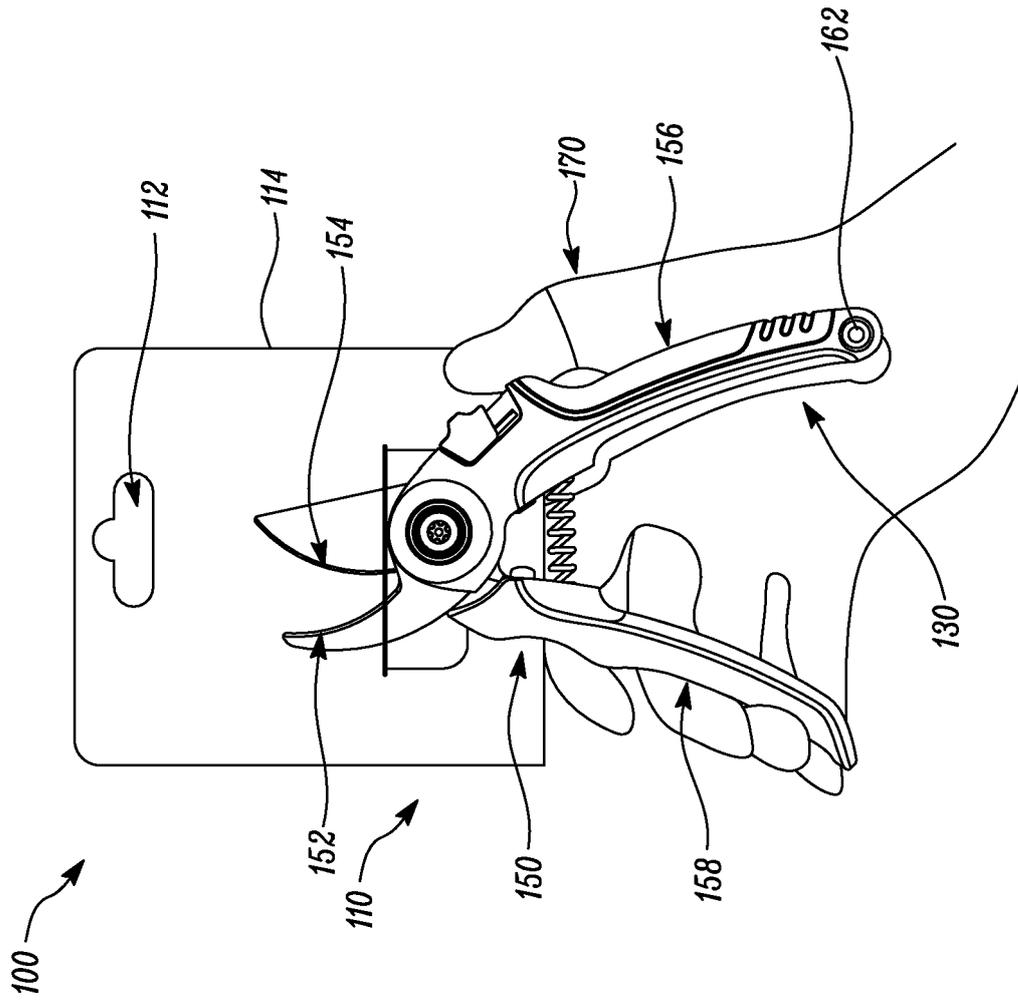


FIG. 5



EUROPEAN SEARCH REPORT

Application Number
EP 20 20 0179

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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 2 March 2021	Examiner Calabrese, Nunziante
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EP 20 20 0179

5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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