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(54) **PROTECTIVE TAPE DISPENSER**

SCHUTZBANDSPENDER

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Description

FIELD OF THE INVENTION

[0001] The present invention relates to a tape dispenser, and more particularly to a protective tape dispenser.

BACKGROUND OF THE INVENTION

[0002] A conventional tape applicator includes a handle, a blade holder and a tape roll seat above the handle. The blade holder is disposed in front of the tape roll seat. A roller is provided below the blade holder. A blade is insertedly connected to the blade holder. A protective tape roll is sleeved onto the tape roll seat. In use, one end of the protective tape of the protective tape roll is attached to a product to be sealed. Then, with the rotation of the protective tape roll, the protective tape is pulled to stretch an appropriate length. During the stretching process, the protective tape of the protective tape roll is attached to the surface of the product. Finally, the protective tape is cut by the blade, so that the packing process can be effectively simplified and the operation efficiency can be improved.

[0003] The above-mentioned tape dispenser is easy to operate for use. However, the protective tape is used for protecting an article and keeping the article from being damaged during carrying and transportation. Therefore, the protective tape needs a large force to be cut when in use. Besides, the protective tape cannot be aligned with the edge of the article when applying the protective tape, resulting in incomplete protection and being unsightly. Accordingly, the inventor of the present invention has devoted himself based on his many years of practical experiences to solve these problems.

[0004] US 2019/0352121 A1 discloses a tape applicator comprising a frame, a source of tape, a front applicator assembly to apply a leading end of a tape from said source to a leading face of a carton, a rear wipe down assembly to wipe a tape applied to said carton, a push bar link interconnecting said applicator assembly and said wipe down assembly for movement together to form a tape applicator assembly, a cut-off mechanism mounted on said frame, a nonlinear helical coil applicator spring and a nonlinear helical coil cut-off spring, a spring pressure adjuster mechanism including an actuator and a controller controlling the delivery of power to said actuator to have low tension in said applicator spring and said cut-off spring and to increase tensions in the applicator and said cut-off springs before said wipe down and cut-off mechanism are activated.

[0005] GB 2 367 282 A discloses a carton-sealing tape cutter comprising a first shell body, a second shell body, a tape sleeve ring, a grip handle, and a blade cutter having a structure comprising: a tape sleeve ring installed on a tape-setting space of the first shell body and of the second shell body, a hinge installed between the tape-setting space and the cutter-setting space of the second

shell body, a tape-guiding board installed in the bottom part of the tape-setting space, and a blade-connecting board installed on said cutter-setting space, enabling the lower end of the gripping device to attach the surface of tape tightly while cutting.

SUMMARY OF THE INVENTION

[0006] The primary object of the present invention is to provide a protective tape dispenser, which can quickly attach the protective tape to the edge of a product, has the advantages of complete protection and increased aesthetics, and can increase the smoothness of operation, so as to achieve the purpose of labor-saving operation and easy force application.

[0007] In order to achieve the aforesaid object, the protective tape dispenser of the present invention comprises a base, a mounting unit, a handle, a guide unit, a cutting unit, a tape pressing unit. The base has an abutting portion at a bottom thereof. The base has a pivot member. The mounting unit is pivotally connected to the base. The mounting unit is configured to mount a protective tape roll. The handle is disposed on the base. The guide unit is disposed on the base. The guide unit includes a tape pressing member and a turning member. The tape pressing member is located between the mounting unit and the turning member. The cutting unit is disposed on the base. The cutting unit includes an operation member and a fixing seat. The operation member is pivotally connected to the pivot member. The operation member has a linking portion and a pressing portion that are located at two sides of the pivot member. A free end of the linking portion is connected to one end of an elastic member. Another end of the elastic member is fixed to the base. The fixing seat is fixed to the base. The fixing seat has a positioning member. The positioning member is connected with a blade holder. The blade holder is movable along the positioning member. The blade holder is provided with a blade. The tape pressing unit is pivotally connected to the abutting portion. The tape pressing unit has a first guide member and a second guide member.

[0008] When the protective tape dispenser provided by the present invention is in use, the protective tape of the protective tape roll is pulled out to pass around the outer side of the turning member along the inner side of the tape pressing member, and is pulled to the outer sides of the first guide member and the second guide member. The technical feature that the turning member extends out of the base can increase the tension of the protective tape and facilitate cutting. By pressing the operation member, the operation member drives the linking member to actuate the blade holder so as to extend or retract the blade, thereby increasing the smoothness of operation. In addition, the guide plate is used to guide the base to quickly align with the edge of a product. The present invention has the advantages of complete protection and increased aesthetics, thereby achieving the purposes of labor-saving operation and easy force application.

BRIEF DESCRIPTION OF THE DRAWINGS

[0009]

FIG. 1 is a perspective view in accordance with a preferred embodiment of the present invention;

FIG. 2 is another perspective view in accordance with the preferred embodiment of the present invention;

FIG. 3 is a side view of the first side plate in accordance with the preferred embodiment of the present invention;

FIG. 4 is an exploded view in accordance with the preferred embodiment of the present invention;

FIG. 5 is a cross-sectional view in accordance with the preferred embodiment of the present invention, wherein the blade is retracted inward;

FIG. 6 is a cross-sectional view in accordance with the preferred embodiment of the present invention, wherein the blade is extended outward;

FIG. 7 is a schematic view in accordance with the preferred embodiment of the present invention when in use, showing that the packing strap is applied to attach to a product; and

FIG. 8 is a schematic view in accordance with the preferred embodiment of the present invention when in use, showing that the packing strap is cut.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

[0010] Embodiments of the present invention will now be described, by way of example only, with reference to the accompanying drawings.

[0011] FIG. 1 is a perspective view in accordance with a preferred embodiment of the present invention. FIG. 2 is another perspective view in accordance with the preferred embodiment of the present invention. FIG. 3 is a side view of a first side plate in accordance with the preferred embodiment of the present invention. The present invention discloses a protective tape dispenser 100. The protective tape dispenser 100 comprises a base 10, a mounting unit 20, a handle 30, a guide unit 40, a cutting unit 50, and a tape pressing unit 60.

[0012] The base 10 has a first side plate 11 and an opposing second side plate 12. In this embodiment of the present invention, the first side plate 11 and the second side plate 12 are generally a plate. The first side plate 11 and the second side plate 12 each include a middle portion 111, an abutting portion 112 at the bottom of the middle portion 111, and an extension portion 113

extending obliquely from the top of the middle portion 111. The shape of the extension portion 113 of the first side plate 11 is different from the shape of the extension portion of the second side plate 12. An angle θ is defined between a side edge 114 of the middle portion 111 and a bottom edge 115 of the abutting portion 112. The angle θ is less than 90 degrees. A guide plate 13 is connected to one side of the abutting portion 112 of the first side plate 11. A guide portion 14 extends outward from one side edge and a bottom edge of the guide plate 13. The guide portion 14 extends out of the first side plate 11. The guide portion 14 has a guide block 15. The thickness of the guide block 15 is greater than the thickness of the guide portion 14. The guide block 15 is located between the first side plate 11 and the second side plate 12. The guide block 15 is configured to guide the base 10 to be used aside, so as to align with a product.

[0013] The mounting unit 20 is pivotally connected to the extension portion 113 of the first side plate 11. The mounting unit 20 is configured to mount a protective tape roll 21.

[0014] The handle 30, referring to FIG. 4, is disposed between the extension portion 113 of the first side plate 11 and the extension portion of the second side plate 12, and is located under the mounting unit 20. The handle 30 has a holding portion 31 and a mounting portion 32. The mounting portion 32 is fixedly connected to the extension portion 113 of the first side plate 11. A pivot member 33 is inserted through the front end of the mounting portion 32. The pivot member 33 is a pivot shaft. The pivot member 33 is fixedly connected to the extension portion 113 of the first side plate 11 and the extension portion of the second side plate 12.

[0015] The guide unit 40 includes a tape pressing member 41 and a turning member 42. The tape pressing member 41 is rotatably, pivotally disposed on the extension portion 113 of the first side plate 11, and is located under the mounting unit 20. The tape pressing member 41 is sleeved with a stop ring 411. The stop ring 411 is movable and adjustable on the tape pressing member 41 according to the width of the protective tape roll 21. The turning member 42 is fixedly disposed between the middle portion 111 of the first side plate 11 and the middle portion of the second side plate 12, and is located under the tape pressing member 41. The turning member 42 is not cylindrical and cannot be rotated. The turning member 42 has a turning surface 43. The turning surface 43 extends out of the base 10. In this embodiment of the present invention, the turning surface 43 is a curved surface.

[0016] FIG. 5 and FIG. 6 are cross-sectional views in accordance with the preferred embodiment of the present invention. The cutting unit 50 includes an operation member 51 and a fixing seat 52. The operation member 51 is pivotally connected to the pivot member 33. The operation member 51 has a linking portion 511 and a pressing portion 512 that are located at two sides of the pivot member 33. In this embodiment of the present invention, the

length of the linking portion 511 is less than the length of the pressing portion 512. The linking portion 511 is pivotally connected with a linking member 53. The linking member 53 is pivotally connected with a linking plate 54. The linking plate 54 has a plurality of perforations 541. A free end of the linking portion 511 is provided with a pair of elastic members 55. The other ends of the elastic members 55 are fixed to a fixed shaft 16 provided on the middle portion 111 of the first side plate 11. The elastic members 55 are springs. The fixing seat 52 is fixedly disposed between the first side plate 11 and the second side plate 12. The fixing seat 52 has a fixing surface 521. The fixing surface 521 is perpendicular to the linking plate 54 and can abut against the linking plate 54. The fixing surface 521 is provided with a through hole 522. A positioning member 56 is fixed to the through hole 522. The positioning member 56 is a shaft. The positioning member 56 is parallel to the linking plate 54. The positioning member 56 is connected with a blade holder 57. The fixing seat 52 and the blade holder 57 are spaced from each other. The blade holder 57 is provided with a transverse shaft hole 571. The positioning member 56 is inserted in the shaft hole 571, so that the blade holder 57 can move along the positioning member 56. The blade holder 57 is provided with a plurality of longitudinal fixing holes 572. A blade 58 is provided on the top of the blade holder 57. The blade 58 has a cutting edge 581 and a plurality of grooves 582. A plurality of fixing members 59 are inserted through the grooves 582, the perforations 541 and the fixing holes 572 for fixing the blade 58 to the blade holder 57, so that the blade 58, the linking plate 54 and the blade holder 57 can move along the positioning member 56.

[0017] The tape pressing unit 60 is pivotally connected to the abutting portion 112 of the first side plate 11 and the abutting portion of the second side plate 12. The tape pressing unit 60 has a first guide member 61 and a second guide member 62. The first guide member 61 is positioned at the turning point of the angle θ and is located under the blade holder 57, so that the blade holder 57 is located between the turning member 42 and the first guide member 61. The second guide member 62 is located under the handle 30. The guide block 15 is located at the outer edges of the first guide member 61 and the second guide member 62. In this embodiment of the present invention, the first guide member 61 and the second guide member 62 are rollers. The inner diameter of the first guide member 61 is greater than the inner diameter of the second guide member 62.

[0018] FIG. 7 and FIG. 8 are schematic views in accordance with the preferred embodiment of the present invention when in use. When the user wants to use the protective tape dispenser 100, the protective tape roll 21 is first mounted on the mounting unit 20, and then the protective tape of the protective tape roll 21 is pulled out to pass around the outer side of the turning member 42 along the inner side of the pressing member 41. The inner side is defined as facing the inside of the base 10, and

the outer side is defined as facing the outside of the base 10. After that, the protective tape is pulled to the outer sides of the first guide member 61 and the second guide member 62. At this time, the user holds the protective tape dispenser 100 and applies the protective tape to attach to a product. Through the rotation of the first guide member 61 and the second guide member 62, the protective tape of the protective tape roll 21 is pulled out smoothly and attached to the product.

[0019] The user can move the stop ring 411 sleeved on the tape pressing member 41 to an appropriate position according to the width of the protective tape of the protective tape roll 21, so that the protective tape is confined between the first side plate 11 and the stop ring 411 to prevent the protective tape from deflecting in the process of adhering to the product. The bottom edge of the first side plate 11 is connected to the guide plate 13. The guide plate 13 can guide the base 10 to align with the product quickly.

[0020] When the user wants to use the blade 58 to cut the protective tape, the user only needs to press the pressing portion 512 of the operation member 51 to pivot the linking portion 511 of the operation member 51 about the pivot member 33. The linking member 53 is pivoted to drive the linking plate 54, so that the linking plate 54 can push the blade holder 57 and the blade 58 simultaneously, and the cutting edge 581 of the blade 58 extends out of the base 10. Because the turning member 42 extends out of the base 10, the protective tape passing through the tape pressing member 41 will change its angle, thereby turning and increasing the tension of the protective tape. In addition to increasing the flatness of the protective tape attached to the product, the cutting edge 581 of the blade 58 can cut the protective tape easily. At this time, the remaining protective tape of the protective tape roll 21 stays on the turning member 42 to facilitate the user to pull the protective tape next time. The elastic force of the elastic members 55 will pull back the linking portion 511 of the operation member 51 and simultaneously retract the linking member 53, the blade holder 57 and the blade 58 without interfering with the operation of the protective tape dispenser 100.

[0021] It is worth mentioning that the length of the linking portion 511 is less than the length of the pressing portion 512. When the cutting unit 50 is in a retracted state, an acute angle is maintained between the operation member 51 and the linking member 53, so that the user can press the pressing portion 512 for the blade 58 to extend quickly. When the cutting unit 50 is in an extended state, an obtuse angle is maintained between the operation member 51 and the linking member 53. Thereby, when the user releases the pressing portion 512, the blade 58 is quickly retracted through the elastic members 55, so that the operation is labor-saving and easy to apply force, so as to increase the smoothness of the operation.

[0022] The angle θ is defined between the side edge 114 of the middle portion 111 and the bottom edge 115 of the abutting portion 112 to maintain the uprightness

of the protective tape dispenser 100 when in use. When the cutting unit 50 is operated, the blade 58 is kept a distance from the product without contacting the product, so as to maintain the appearance of the product.

[0023] Although particular embodiments of the present invention have been described in detail for purposes of illustration, various modifications and enhancements may be made without departing from the scope of the present invention. Accordingly the present invention is not to be limited except as by the appended claims.

Claims

1. A protective tape dispenser (100), comprising:

a base (10), having an abutting portion (112) at a bottom thereof, the base (10) having a pivot member (33);

a mounting unit (20), pivotally connected to the base (10), the mounting unit (20) being configured to mount a protective tape roll (21);

a handle (30), disposed on the base (10);

a guide unit (40), disposed on the base (10), the guide unit (40) including a tape pressing member (41) and a turning member (42), the tape pressing member (41) being located between the mounting unit (20) and the turning member (42);

a cutting unit (50), disposed on the base (10), the cutting unit (50) including an operation member (51) and a fixing seat (52), the operation member (51) being pivotally connected to the pivot member (33), the operation member (51) having a linking portion (511) and a pressing portion (512) that are located at two sides of the pivot member (33), a free end of the linking portion (511) being connected to one end of an elastic member (55), another end of the elastic member (55) being fixed to the base (10), the fixing seat (52) being fixed to the base (10), the fixing seat (52) having a positioning member (56), the positioning member (56) being connected with a blade holder (57), the blade holder (57) being movable along the positioning member (56), the blade holder (57) being provided with a blade (58);

a tape pressing unit (60), pivotally connected to the abutting portion (112), the tape pressing unit (60) having a first guide member (61) and a second guide member (62).

2. The protective tape dispenser as claimed in claim 1, wherein the linking portion (511) is pivotally connected with a linking member (53), the linking member (53) is pivotally connected with a linking plate (54), the fixing seat (52) has a fixing surface (521), the fixing surface (521) is perpendicular to the linking

plate (54) and abuts against the linking plate (54), the positioning member (56) is fixed to the fixing surface (521), the positioning member (56) is parallel to the linking plate (54), the fixing seat (52) and the blade holder (57) are spaced from each other, and the blade holder (57) is located between the turning member (42) and the first guide member (61).

3. The protective tape dispenser as claimed in claim 2, wherein the linking plate (54) has a plurality of perforations (541), the blade holder (57) is provided with a plurality of fixing holes (572), the blade (58) has a plurality of grooves (582), and a plurality of fixing members (59) are inserted through the grooves (582), the perforations (541) and the fixing holes (572) for fixing the blade (58) to the blade holder (57).

4. The protective tape dispenser as claimed in claim 1, wherein the blade holder (57) is provided with a shaft hole (571), and the positioning member (56) is insertedly disposed in the shaft hole (571).

5. The protective tape dispenser as claimed in claim 1, wherein the linking portion (511) has a length less than that of the pressing portion (512).

6. The protective tape dispenser as claimed in claim 1, wherein the base (10) has a first side plate (11) and a second side plate (12), a guide plate (13) is connected to a bottom of the first side plate (11), a guide portion (14) extends outward from the guide plate (13), the guide portion (14) has a guide block (15), and the guide block (15) is located at outer edges of the first guide member (61) and the second guide member (62).

7. The protective tape dispenser as claimed in claim 1, wherein the base (10) has a side edge (114) and a bottom edge (115), an angle (θ) is defined between the side edge (114) and the bottom edge (115), and the angle (θ) is less than 90 degrees.

8. The protective tape dispenser as claimed in claim 1, wherein the first guide member (61) and the second guide member (62) are rollers, and the first guide member (61) has an inner diameter greater than that of the second guide member (62).

9. The protective tape dispenser as claimed in claim 1, wherein the tape pressing member (41) is sleeved with a stop ring (411).

10. The protective tape dispenser as claimed in claim 1, wherein the tape pressing member (41) is located between the mounting unit (20) and the turning member (42), the turning member (42) is not rotatable, the turning member (42) has a turning surface (43), and the turning surface (43) extends out of the base

(10).

Patentansprüche

1. Ein Schutzfolienabroller (100), der folgendes aufweist:

eine Trägerplatte (10), die an ihrer Unterseite einen Auflageabschnitt (112) aufweist, wobei die Trägerplatte (10) ein Schwenkelement (33) aufweist;
eine Befestigungseinheit (20), die drehbar mit der Trägerplatte (10) verbunden ist, wobei die Befestigungseinheit (20) zur Befestigung einer Schutzfolienrolle (21) ausgebildet ist;
einen Griff (30), der auf der Trägerplatte (10) angeordnet ist;
eine Führungseinrichtung (40), die an der Trägerplatte (10) angeordnet ist, wobei die Führungseinrichtung (40) ein Folienandruckelement (41) und ein Drehelement (42) aufweist, wobei das Folienandruckelement (41) zwischen der Befestigungseinheit (20) und dem Drehelement (42) angeordnet ist;
eine Schneideinheit (50), die an der Trägerplatte (10) angeordnet ist, wobei die Schneideinheit (50) ein Betätigungselement (51) und einen Befestigungssitz (52) aufweist, wobei das Betätigungselement (51) schwenkbar mit dem Schwenkelement (33) verbunden ist, wobei das Betätigungselement (51) einen Verbindungsabschnitt (511) und einen Andruckabschnitt (512) aufweist, die an zwei Seiten des Schwenkelements (33) angeordnet sind, wobei ein freies Ende des Verbindungsabschnitts (511) mit einem Ende eines elastischen Elements (55) verbunden ist, wobei das andere Ende des elastischen Elements (55) an der Trägerplatte (10) befestigt ist, wobei der Befestigungssitz (52) an der Trägerplatte (10) befestigt ist, wobei der Befestigungssitz (52) ein Positionierungselement (56) aufweist, wobei das Positionierungselement (56) mit einem Klingenhalter (57) verbunden ist, wobei der Klingenhalter (57) entlang des Positionierungselements (56) beweglich ist und der Klingenhalter (57) mit einer Klinge (58) versehen ist;
eine Folienandruckeinheit (60), die schwenkbar mit dem Auflageabschnitt (112) verbunden ist, wobei die Folienandruckeinheit (60) ein erstes Führungselement (61) und ein zweites Führungselement (62) aufweist.

2. Schutzfolienabroller nach Anspruch 1, wobei der Verbindungsabschnitt (511) schwenkbar mit einem Verbindungselement (53) verbunden ist, wobei das Verbindungselement (53) schwenkbar mit einer Ver-

bindungsplatte (54) verbunden ist, wobei der Befestigungssitz (52) eine Befestigungsfläche (521) aufweist, wobei die Befestigungsfläche (521) senkrecht zu der Verbindungsplatte (54) steht und an der Verbindungsplatte (54) anliegt, wobei das Positionierungselement (56) an der Befestigungsfläche (521) befestigt ist, wobei das Positionierungselement (56) parallel zu der Verbindungsplatte (54) angeordnet ist, wobei der Befestigungssitz (52) und der Klingenhalter (57) voneinander beabstandet sind und der Klingenhalter (57) zwischen dem Drehelement (42) und dem ersten Führungselement (61) angeordnet ist.

3. Schutzfolienabroller nach Anspruch 2, wobei die Verbindungsplatte (54) mehrere Perforationen (541) aufweist, wobei der Klingenhalter (57) mit mehreren Befestigungslöchern (572) versehen ist, wobei die Klinge (58) mehrere Nuten (582) aufweist und wobei mehrere Befestigungselemente (59) durch die Nuten (582), die Perforationen (541) und die Befestigungslöcher (572) greifen, um die Klinge (58) am Klingenhalter (57) zu befestigen.
4. Schutzfolienabroller nach Anspruch 1, wobei der Klingenhalter (57) mit einem Schaftloch (571) versehen ist und das Positionierungselement (56) in das Schaftloch (571) eingesetzt ist.
5. Schutzfolienabroller nach Anspruch 1, wobei der Verbindungsabschnitt (511) eine geringere Länge aufweist als der Andruckabschnitt (512).
6. Schutzfolienabroller nach Anspruch 1, wobei die Trägerplatte (10) eine erste Seitenplatte (11) und eine zweite Seitenplatte (12) aufweist, wobei eine Führungsplatte (13) mit einem Boden der ersten Seitenplatte (11) verbunden ist, wobei sich ein Führungsabschnitt (14) von der Führungsplatte (13) nach außen erstreckt, wobei der Führungsabschnitt (14) einen Führungsblock (15) aufweist und wobei der Führungsblock (15) an den Außenkanten des ersten Führungselements (61) und des zweiten Führungselements (62) angeordnet ist.
7. Schutzfolienabroller nach Anspruch 1, wobei die Trägerplatte (10) eine Seitenkante (114) und eine Unterkante (115) aufweist, wobei zwischen der Seitenkante (114) und der Unterkante (115) ein Winkel (θ) definiert ist und wobei der Winkel (θ) kleiner als 90 Grad ist.
8. Schutzfolienabroller nach Anspruch 1, wobei das erste Führungselement (61) und das zweite Führungselement (62) Rollen sind und wobei das erste Führungselement (61) einen größeren Innendurchmesser aufweist als das zweite Führungselement (62).

9. Schutzfolienabroller nach Anspruch 1, wobei das Folienandruckelement (41) mit einem Anschlagring (411) ummantelt ist.
10. Schutzfolienabroller nach Anspruch 1, wobei das Folienandruckelement zwischen der Befestigungseinheit (20) und dem Drehelement (42) angeordnet ist, wobei das Drehelement (42) nicht drehbar ist, wobei das Drehelement (42) eine Drehfläche (43) aufweist und wobei die Drehfläche (43) aus der Trägerplatte (10) herausragt.

Revendications

1. Distributeur de ruban de protection (100), comprenant :

une base (10), présentant une partie d'appui (112) au niveau d'un fond de celle-ci, la base (10) présentant un élément de pivotement (33) ; une unité de montage (20), reliée de manière pivotante à la base (10), l'unité de montage (20) étant configurée pour supporter un rouleau de ruban de protection (21) ;

une poignée (30), disposée sur la base (10) ; une unité de guidage (40), disposée sur la base (10), l'unité de guidage (40) incluant un élément de pression de ruban (41) et un élément de renvoi (42), l'élément de pression de ruban (41) étant situé entre l'unité de montage (20) et l'élément de renvoi (42) ;

une unité de coupe (50), disposée sur la base (10), l'unité de coupe (50) incluant un élément d'actionnement (51) et un siège de fixation (52), l'élément d'actionnement (51) étant relié de manière pivotante à l'élément de pivotement (33), l'élément d'actionnement (51) présentant une partie de liaison (511) et une partie de pression (512) qui sont situées sur deux côtés de l'élément de pivotement (33), une extrémité libre de la partie de liaison (511) étant reliée à une extrémité d'un élément élastique (55), une autre extrémité de l'élément élastique (55) étant fixée à la base (10), le siège de fixation (52) étant fixé à la base (10), le siège de fixation (52) présentant un élément de positionnement (56), l'élément de positionnement (56) étant relié à un porte-lame (57), le porte-lame (57) étant mobile le long de l'élément de positionnement (56), le porte-lame (57) étant pourvu d'une lame (58) ; une unité de pression de ruban (60), reliée de manière pivotante à la partie d'appui (112), l'unité de pression de ruban (60) présentant un premier élément de guidage (61) et un second élément de guidage (62).

2. Distributeur de ruban de protection selon la revendication 1, dans lequel la partie de liaison (511) est

reliée de manière pivotante à un élément de liaison (53), l'élément de liaison (53) est relié de manière pivotante à une plaque de liaison (54), le siège de fixation (52) présente une surface de fixation (521), la surface de fixation (521) est perpendiculaire à la plaque de liaison (54) et vient en appui contre la plaque de liaison (54), l'élément de positionnement (56) est fixé à la surface de fixation (521), l'élément de positionnement (56) est parallèle à la plaque de liaison (54), le siège de fixation (52) et le porte-lame (57) sont espacés l'un de l'autre et le porte-lame (57) est situé entre l'élément de renvoi (42) et le premier élément de guidage (61).

3. Distributeur de ruban de protection selon la revendication 2, dans lequel la plaque de liaison (54) présente une pluralité de perforations (541), le porte-lame (57) est pourvu d'une pluralité de trous de fixation (572), la lame (58) présente une pluralité de rainures (582) et une pluralité d'éléments de fixation (59) sont insérés à travers les rainures (582), les perforations (541) et les trous de fixation (572) pour fixer la lame (58) au porte-lame (57).

4. Distributeur de ruban de protection selon la revendication 1, dans lequel le porte-lame (57) est muni d'un trou d'axe (571) et l'élément de positionnement (56) est disposé par insertion dans le trou d'axe (571).

5. Distributeur de ruban de protection selon la revendication 1, dans lequel la partie de liaison (511) a une longueur inférieure à celle de la partie de pression (512).

6. Distributeur de ruban de protection selon la revendication 1, dans lequel la base (10) présente une première plaque latérale (11) et une seconde plaque latérale (12), une plaque de guidage (13) est reliée à un fond de la première plaque latérale (11), une partie de guidage (14) s'étend vers l'extérieur depuis la plaque de guidage (13), la partie de guidage (14) présente un bloc de guidage (15) et le bloc de guidage (15) est situé au niveau de bords extérieurs du premier élément de guidage (61) et du second élément de guidage (62).

7. Distributeur de ruban de protection selon la revendication 1, dans lequel la base (10) présente un bord latéral (114) et un bord inférieur (115), un angle (θ) est défini entre le bord latéral (114) et le bord inférieur (115), et l'angle (θ) est inférieur à 90 degrés.

8. Distributeur de ruban de protection selon la revendication 1, dans lequel le premier élément de guidage (61) et le second élément de guidage (62) sont des rouleaux et le premier élément de guidage (61)

a un diamètre intérieur supérieur à celui du second élément de guidage (62).

9. Distributeur de ruban de protection selon la revendication 1, dans lequel une bague d'arrêt (411) est emmanchée sur l'élément de pression de ruban (41). 5
10. Distributeur de ruban de protection selon la revendication 1, dans lequel l'élément de pression de ruban (41) est situé entre l'unité de montage (20) et l'élément de renvoi (42), l'élément de renvoi (42) n'est pas rotatif, l'élément de renvoi (42) présente une surface de renvoi (43) et la surface de renvoi (43) s'étend à l'extérieur de la base (10). 10

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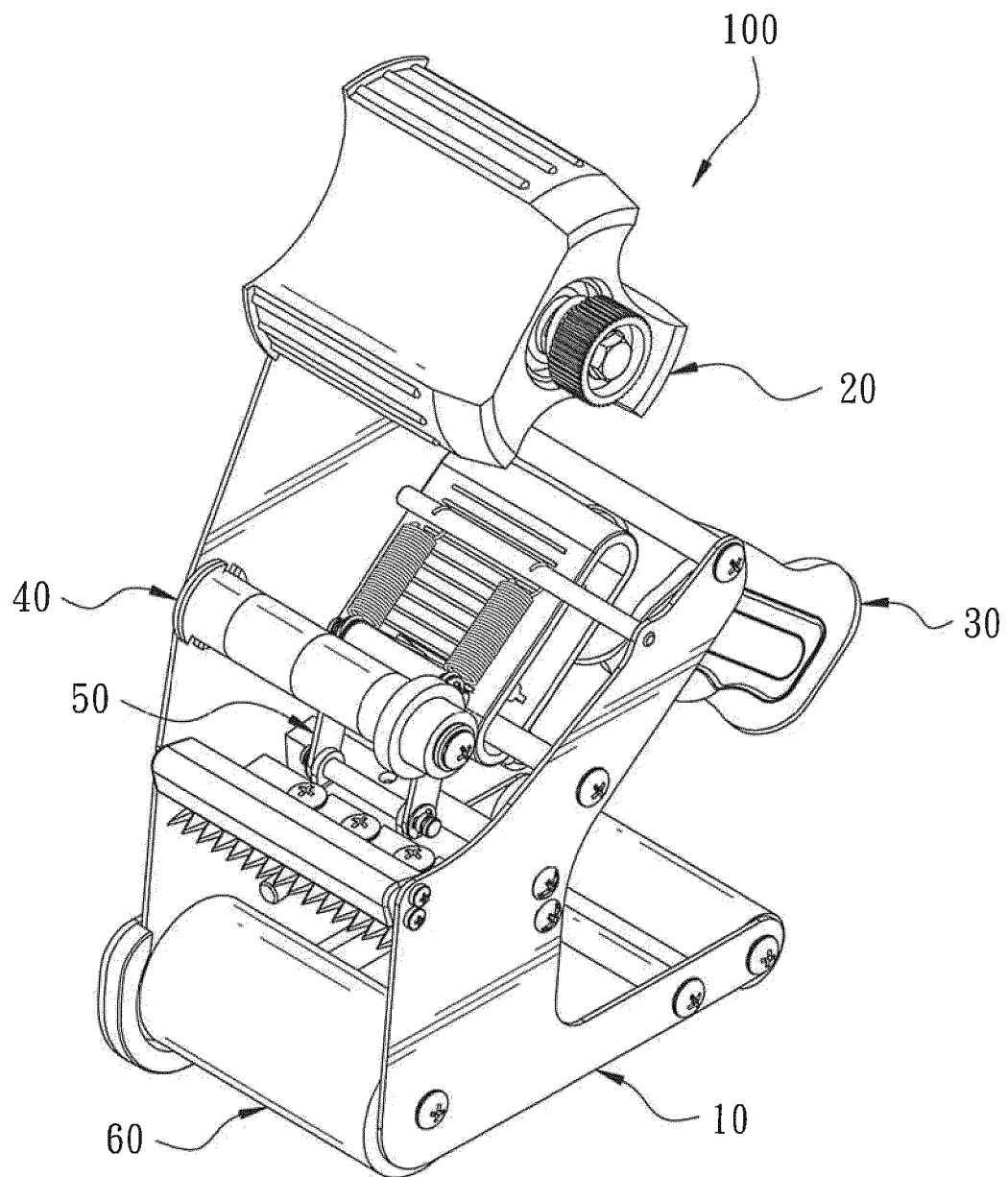


FIG. 1

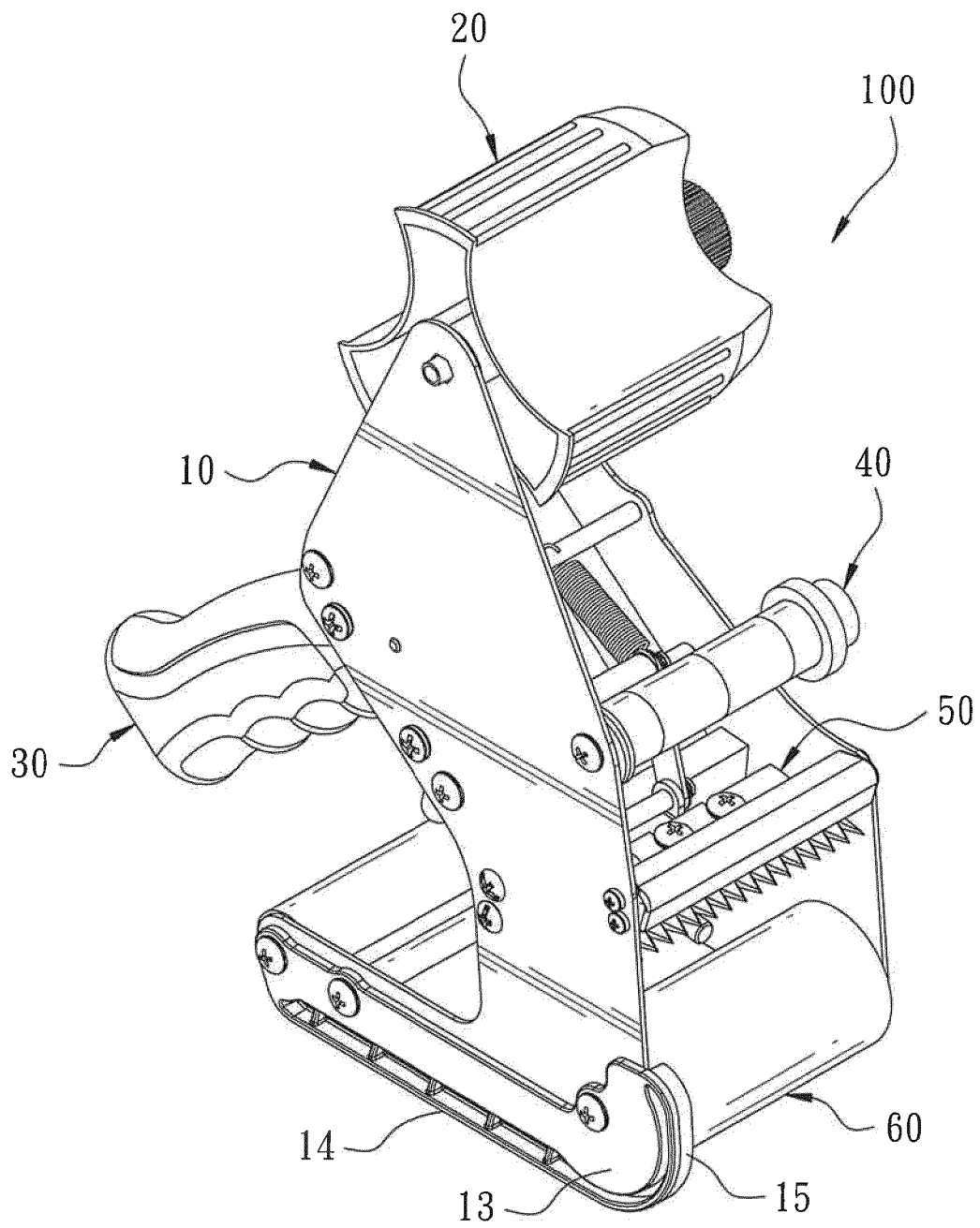


FIG. 2

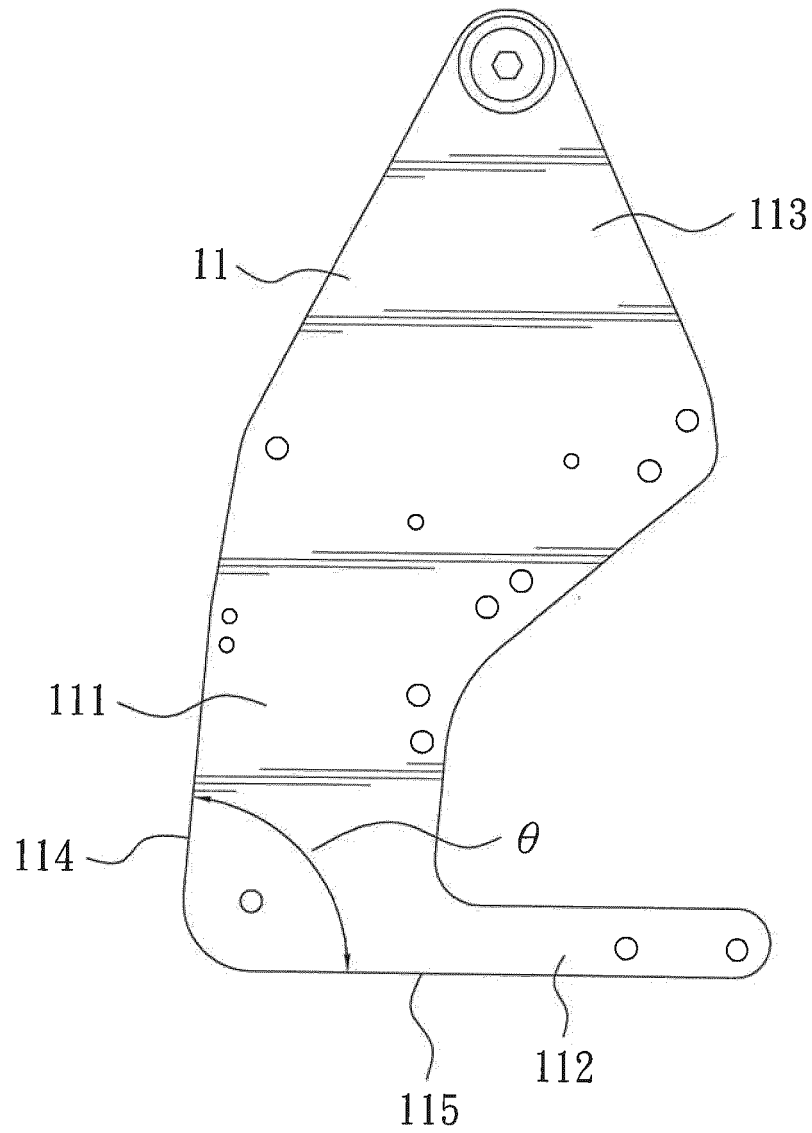


FIG. 3

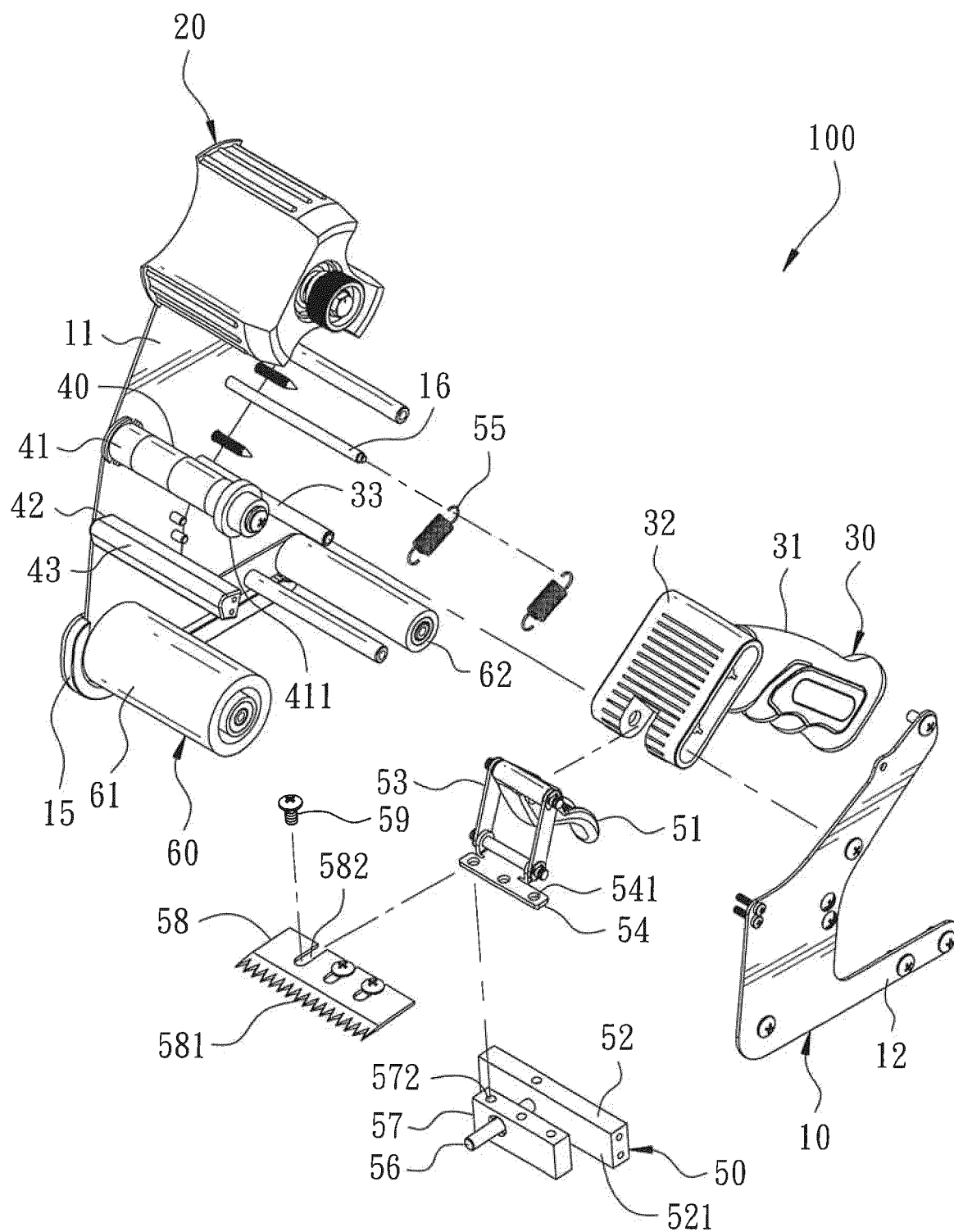


FIG. 4

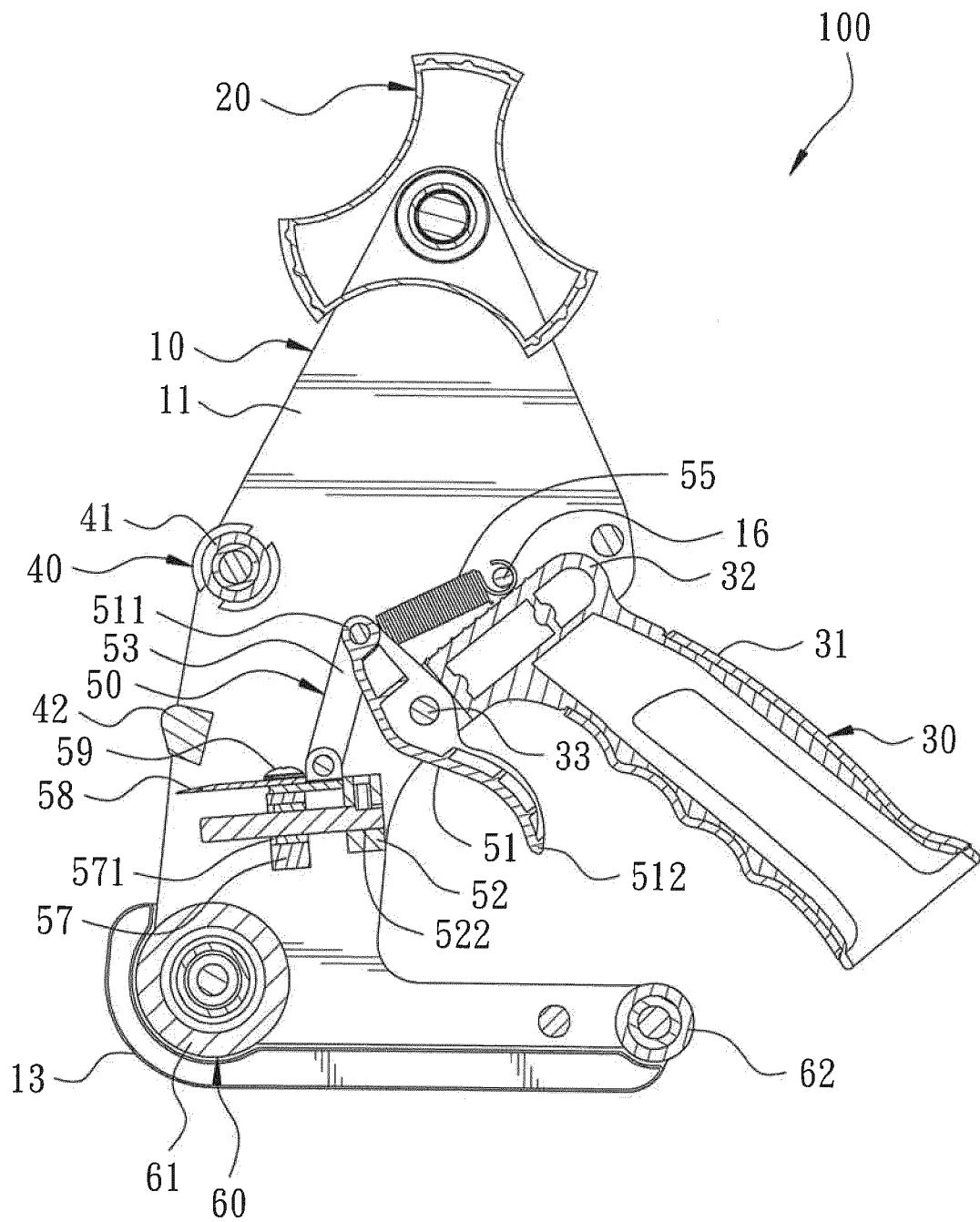


FIG. 5

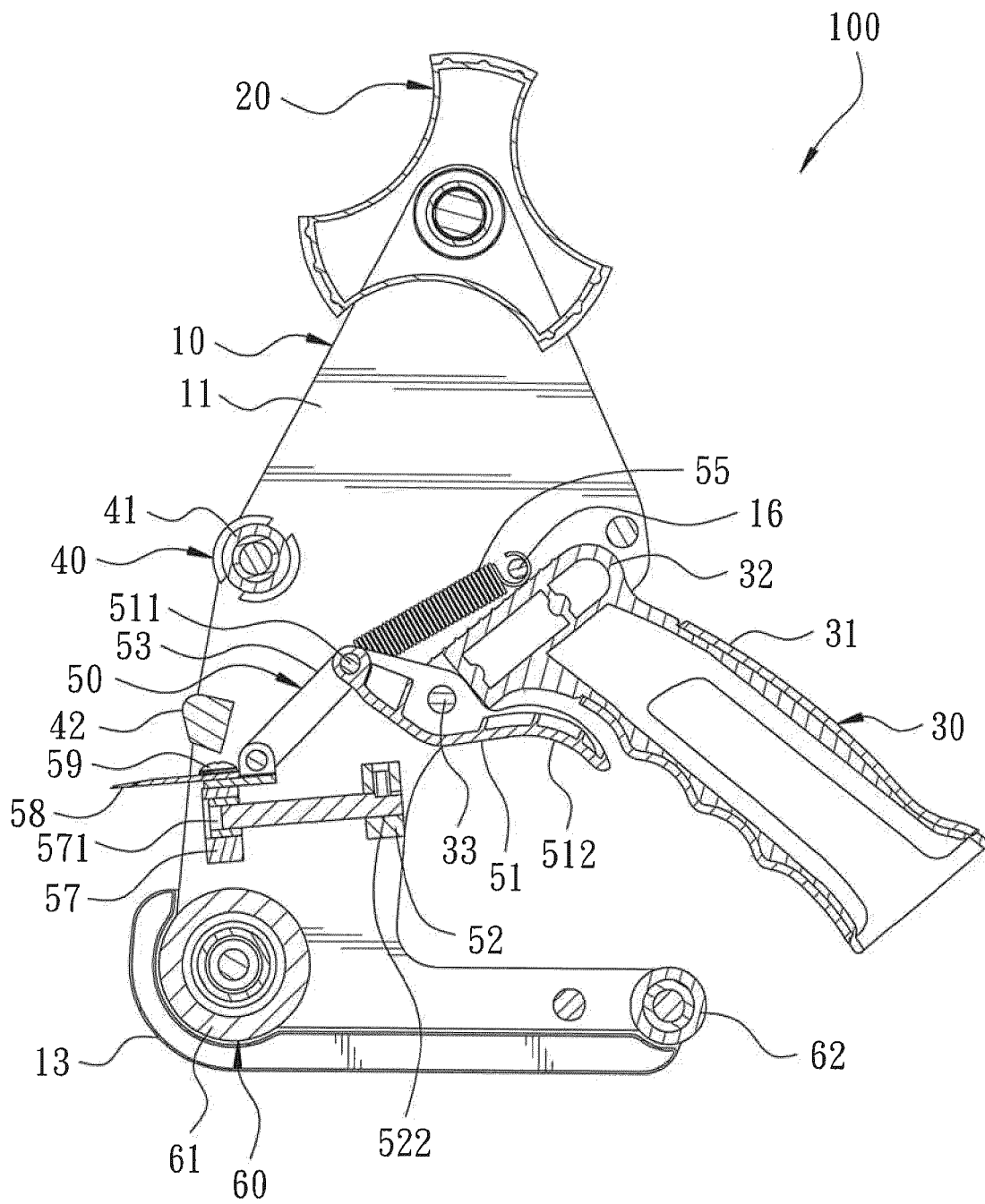


FIG. 6

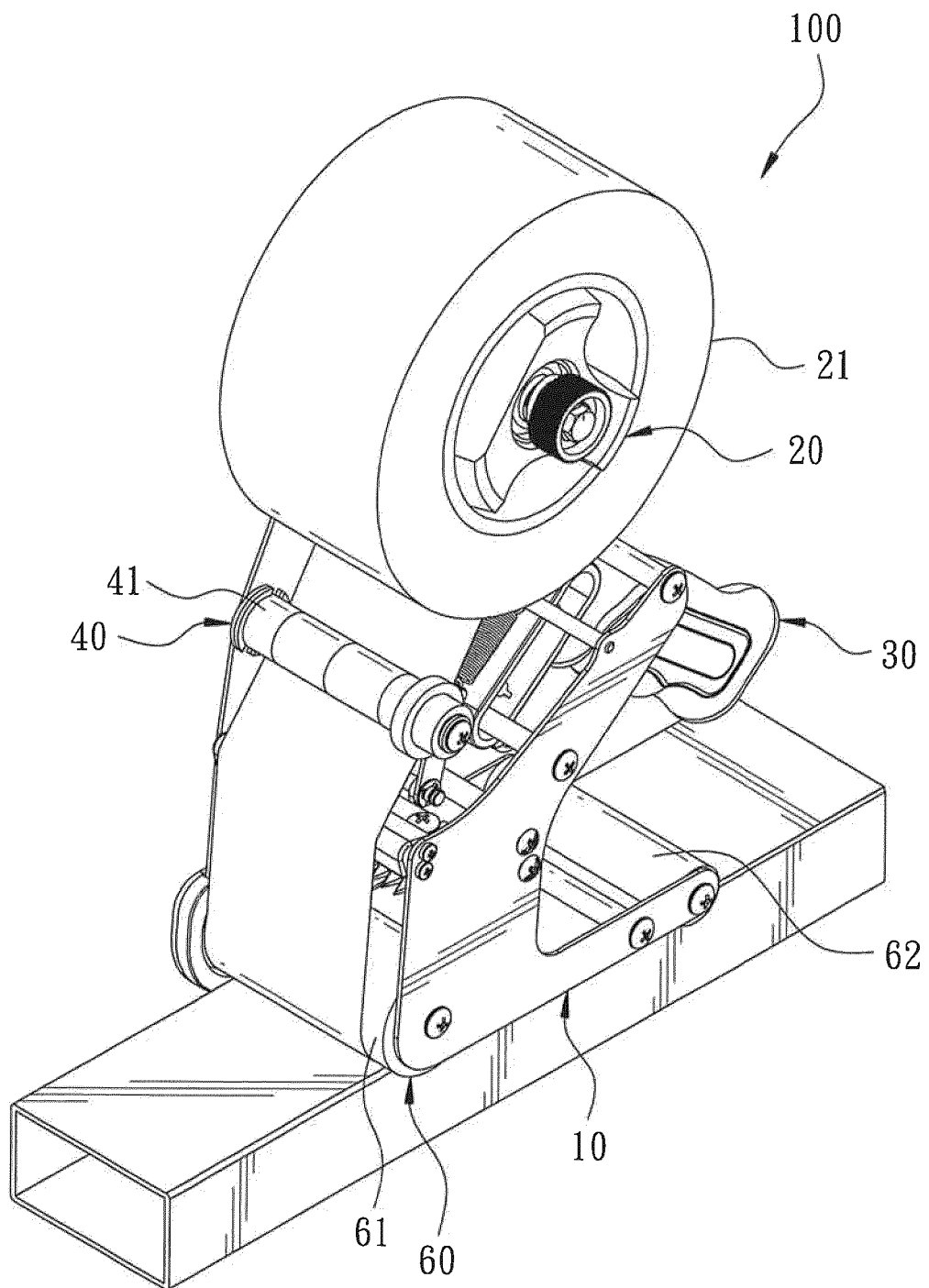


FIG. 7

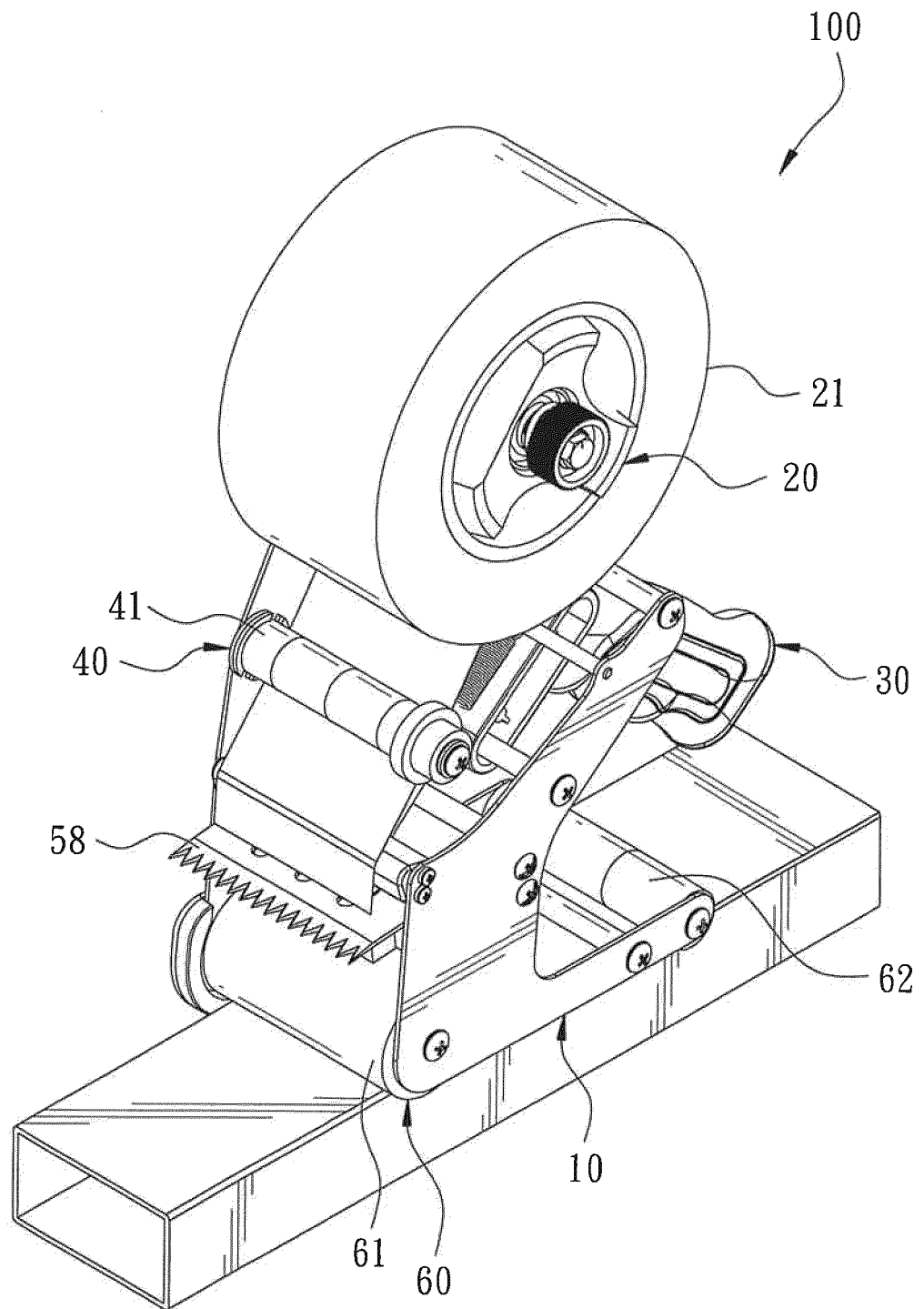


FIG. 8

REFERENCES CITED IN THE DESCRIPTION

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