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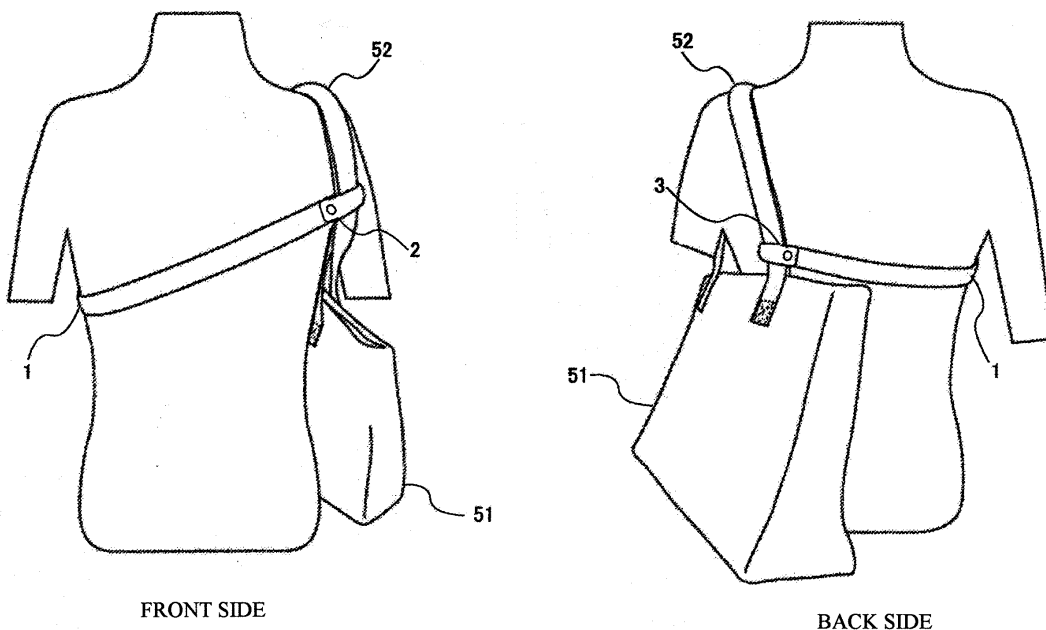
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(54) **STRAP AND BAG PROVIDED WITH STRAP**

(57) Provided is a strap that prevents handles from slipping down from the shoulder. The strap (1) is capable of being hooked, from the front side and the back side of a user, on the handles (52) of a bag hung over the shoulder by passing under the armpit on a side opposite to the side where the handles (52) are. Preferably, the strap (1) has a first engagement portion (21, 31) provided on at least one end portion and a second engagement portion

(22, 32) provided at a location different from the first engagement portion (21, 31) and capable of engaging with the first engagement portion (21, 31), and the handles (52) pass through the inner sides of rings formed by engagement between the first engagement portion (21, 31) and the second engagement portion (22,32), and thereby the strap (1) is capable of being hooked on the handles (52).



**FIG. 4**

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**Description**

## Technical Field

**[0001]** The present invention relates to a strap for a bag with handles which can be hung over the shoulder.

## Background Art

**[0002]** For a bag attached with handles which can be hung over the shoulder, the handles of the bag may slip down from the shoulder when being hung over the shoulder. With respect to this problem, the applicant of the present invention has so far proposed a bag with a structure in which the handles of the bag and a bottom are connected by a strap (for example, patent literature 1 or patent literature 2).

## Citation List

## Patent literature

**[0003]**

Patent literature 1: Japanese Patent Laid-Open 2013-150763

Patent literature 2: International Publication WO2015/019996

## Summary of Invention

## Technical Problem

**[0004]** As for the bags described in patent literature 1 and patent literature 2, the bag is arranged on the back side of a user. However, if the bag is on the back, the bag has to be put down to take contents out and it is inconvenient sometimes. In addition, in a crowded train, if the bag is arranged on the back side, it will become nuisance for other passengers.

**[0005]** In view of the above-described circumstances, the present invention aims to provide a strap which prevents handles from slipping down from the shoulder without interfering with convenience and a bag provided with the strap.

## Solution to Problem

**[0006]** The strap of the present invention for solving the above-described aim is

a strap capable of being hooked, from the front side and the back side of a user, on handles of a bag hung over the shoulder by passing under the armpit on a side opposite to the side where the handles are.

**[0007]** According to the strap, it is hard for the handles hung over the shoulder to slip down even if the bag is not arranged on the back side of the user.

**[0008]** In addition, the strap may include:

a first engagement portion provided on at least one end portion, and

a second engagement portion provided at a location different from the first engagement portion and capable of engaging with the first engagement portion; and

the strap is capable of being hooked on the handles by passing through inner sides of rings formed by engagement between the first engagement portion and the second engagement portion.

**[0009]** According to the strap, attachment to and detachment from the handles can be carried out easily.

**[0010]** In addition, for the strap, the first engagement portion and the second engagement portion may be engaged facing different surfaces of the strap.

**[0011]** According to the strap, an effect of making it hard for the handles to slip down from the shoulder can be improved.

**[0012]** In addition, the strap may have hook portions which remain open between pointy ends and shafts in at least one end portion, and the hook portions are capable of being hooked on the handles.

**[0013]** According to the strap, the attachment to and detachment from the handles can be carried out easily.

**[0014]** A first bag of the present invention for solving the above-described aim includes:

handles, which are capable of being hung over the shoulder;

a first connecting portion and a second connecting portion provided on the handles; and

a strap, which, in a state that the handles are hung over the shoulder, is capable of being respectively connected, from the front side and the back side of a user, with the first connecting portion and the second connecting portion by passing under the armpit on a side opposite to a side where the handles are.

**[0015]** In addition, a second bag of the present invention for solving the above-described aim includes:

handles, which are capable of being hung over the shoulder;

connecting portions provided on the handles; and

a strap, which, in a state that the handles are hung over the shoulder, is capable of being connected, from either one side of the front side and the back side of a user, with the connecting portions by passing under the armpit on a side opposite to a side where the handles are, and which is capable of being hooked on the handles from the other side different from the one side.

**[0016]** In addition, a third bag of the present invention for solving the above-described aim includes:

handles, which are capable of being hung over the shoulder;  
 connecting portions provided at the handles; and  
 a strap, of which one end is fixed to the handles,  
 wherein the strap  
 is capable of being connected, from either of the front  
 side and the back side of a user in a state that the  
 handles are hung over the shoulder, with the connect-  
 ing portions by passing under the armpit on a  
 side opposite to a side where the handles are.

**[0017]** In addition, a fourth bag of the present invention  
 for solving the above-described aim includes:

handles, which are capable of being hung over the  
 shoulder; and  
 a strap, of which one end is fixed to the handles,  
 wherein the strap is  
 capable of being hooked, from either of the front side  
 and the back side of a user in a state that the handles  
 are hung over the shoulder, on the handles by pass-  
 ing under the armpit on a side opposite to a side  
 where the handles are.

**[0018]** According to the first to the fourth bags, contents  
 in the bag can be confirmed in a state that the handles  
 are hung over shoulder, and it can be hard for the handles  
 to slip down from the shoulder.

**[0019]** In addition, for the second bag and the fourth  
 bag,  
 the strap may include:

a first engagement portion provided on an end por-  
 tion on a side hooked on the handles, and  
 a second engagement portion provided at a location  
 different from the first engagement portion and cap-  
 able of engaging with the first engagement portion;  
 and  
 the strap is capable of being hooked on the handles  
 by passing through inner sides of rings formed by  
 engagement between the first engagement portion  
 and the second engagement portion.

**[0020]** According to the bag, attachment of the strap  
 to and detachment of the strap from the handles can be  
 carried out easily.

**[0021]** In addition, for the second bag and the fourth  
 bag,  
 the first engagement portion and the second engagement  
 portion may  
 be engaged facing different surfaces of the strap.

**[0022]** According to the bag, an effect of making it hard  
 for the handles to slip down from the shoulder can be  
 improved.

**[0023]** In addition, for the second bag and the fourth  
 bag,  
 the strap may have  
 hook portions which remain open between pointy ends

and shafts at the end portions on the sides hooked on  
 the handles; and  
 the hook portions are  
 capable of being hooked on the handles.

**[0024]** According to the bag, attachment of the strap  
 to and detachment of the strap from the handles can be  
 carried out easily.

**[0025]** In addition, a fifth bag of the present invention  
 for solving the above-described aim includes:

handles, which are capable of being hung over the  
 shoulder;  
 a first connecting portion and a second connecting  
 portion provided at a bottom; and  
 a strap, which, in a state that the handles are hung  
 over the shoulder, is capable of being respectively  
 connected, from the front side and the back side of  
 a user, with the first connecting portion and the sec-  
 ond connecting portion by going around the torso on  
 a side opposite to a side where the bottom is.

**[0026]** According to the fifth bag, the contents in the  
 bag can be confirmed in a state that the handles are hung  
 over shoulder, and it can be hard for the handles to slip  
 down from the shoulder.

Advantageous Effect of Invention

**[0027]** According to the present invention, a strap  
 which prevents the handles from slipping down from the  
 shoulder without interfering with the convenience and a  
 bag provided with the strap can be provided.

Brief Description of Drawings

**[0028]**

Figure 1 is a diagram showing one embodiment of  
 a strap of the present invention.  
 Figure 2 is a front view showing one example of a  
 bag attached with the strap shown in Figure 1.  
 Figure 3 is a side view showing the bag in Figure 2.  
 Figure 4 is a diagram showing a state of using the  
 strap shown in Figure 1.  
 Figure 5 is a diagram showing one example of an  
 end portion of the strap.  
 Figure 6 is a diagram showing one example of a us-  
 age condition in a case when a configuration in Fig-  
 ure 5 is adopted.  
 Figure 7 is a diagram showing a hook portion which  
 remains open between a pointy end and a shaft.  
 Figure 8 is a schematic diagram showing an example  
 of how the strap is hooked.

**[0029]** Description of

In the following, a strap and a bag of the present  
 invention are described using drawings.

[Embodiment of strap]

**[0030]** First, one example of the strap of the present invention is described using Figure 1. Figure 1 is a diagram showing one embodiment of the strap of the present invention.

**[0031]** A strap 1 of the embodiment shown in Figure 1 is equivalent to one example of the strap of the present invention. In the strap 1, at each of end portions 2, 3, concave portions 21, 31 and convex portions 22, 32 of snap buttons are provided with space. The end portions 2, 3 can be formed into rings by fastening the concave portions 21, 31 and the convex portions 22, 32 at each of the end portions 2, 3. In addition, a length adjustment component 4 is provided on the strap 1, and the length of the strap 1 can be adjusted by changing the location of the length adjustment component 4.

**[0032]** Next, the usage of the strap 1 shown in Figure 1 is described using Figure 2 to Figure 4. Figure 2 is a front view showing one example of a bag attached with the strap 1 shown in Figure 1. In addition, Figure 3 is a side view showing the bag in Figure 2. Figure 4 is a diagram showing a state of using the strap 1 shown in Figure 1. Furthermore, in Figure 4, the length adjustment component 4 is omitted.

**[0033]** A bag 5 shown in Figure 2 and Figure 3 is attached with handles 52 by which a bag body 51 can be hung over the shoulder and is a so-called tote bag. Furthermore, as shown in Figure 3, the handles 52 are respectively attached to an outer surface side and an inner surface side of the bag body 51.

**[0034]** As shown in Figure 4, the strap 1 shown in Figure 1 is used for the bag 5 which is in a state that the handles 52 are hung over the shoulder. Specifically, the strap 1 is used by passing under the armpit on a side opposite to a side where the handles 52 are, and respectively wrapping the two end portions 2, 3 around the handles 52 from the front side and the back side of a user. At this moment, the two end portions 2, 3 of the strap 1 become rings by fastening each of the concave portions 21, 31 and the convex portions 22, 32, and the handles 52 are in a state of passing through the inner sides of the rings. The state is also a state in which the rings of the end portions 2, 3 of the strap 1 are hooked on the handles 52. Furthermore, Figure 4 shows a state in which the handles 52 are hung over the left shoulder, and the same also applies to the state in which the handles 52 are hung over the right shoulder.

**[0035]** During further use, the length adjustment component 4 is used to adjust the length of the strap 1 and fit the strap 1 to the user. If the strap 1 is shortened in the state that the strap 1 is hooked on the handles 52, correspondingly, a force by which the strap 1 pulls the handles 52 is strengthened, and the handles 52 are in a bent state. On this occasion, the handles 52 can be prevented from slipping down from the shoulder.

**[0036]** Furthermore, even if the handles 52 are not in the bent state (the handles 52 are not in the state of al-

ways being pulled by the strap 1), the length of the strap 1 may be adjusted to an extent that the strap 1 is fit to the body of the user. On this occasion, when the handles 52 move to a direction of slipping down from the shoulder, the strap 1 limits the movement and the handles 52 can be prevented from slipping down from the shoulder.

**[0037]** In the state that the handles 52 are hung from the shoulder, the location of the bag 5 is mainly the side of the user and can be moved back and forth slightly. For example, by shifting the bag 5 to the front of the user, the user can confirm contents of the bag or avoid nuisance in a crowded train. In addition, for example, if the strap 1 is hooked on the handle 52 at the side of the user, the contents of the bag 5 can be confirmed easily. In this way, it is not necessary to change the location of the bag 5, so that the strap 1 described above can be used without interfering with the convenience of the bag 5.

**[0038]** Furthermore, the strap 1 does not require a special configuration as long as the bag can be hung from the shoulder, and the design of the bag itself is not limited. That is, if the bag has handles that can be hung over the shoulder, the bag can be used regardless of how the design is. For example, the bag can also be a bag with one handle.

**[0039]** Furthermore, the members for hooking the strap 1 on the handles 52 are not limited to the snap buttons. However, in a case that only the snap buttons are used as in the above-described embodiment, attachment to and detachment from the handles 52 can be easily done. For example, if the strap 1 is used when the user is riding a bicycle, the handles of the bag can be prevented from slipping down from the shoulder, and after the user gets off the bicycle, the strap 1 can be removed to use the bag only, so that applications of the bag can be expanded.

**[0040]** Furthermore, the strap 1 of the embodiment described above is one example, and other configurations which can be applied will be described.

[About configuration of end portions]

**[0041]** As for the strap 1 shown in Figure 1, although the configuration in which the snap buttons are provided on the two end portions 2, 3 is described, the configuration is not limited to the snap buttons and may be, for example, a configuration in which a combination of hook surfaces and loop surfaces of hook-and-loop fasteners or a combination of pins and holes into which the pins can be inserted is provided. That is, the configuration may be the combination which is capable of engagement and in which rings that allow the handles to pass through are formed in the engagement state. Furthermore, the combination is equivalent to one example of a first engagement portion and a second engagement portion of the present invention.

**[0042]** In a state that the first engagement portion and the second engagement portion are engaged, other components serving as stoppers can also be provided so that

the first engagement portion and the second engagement portion do not loosen or the rings are maintained even if the first engagement portion and the second engagement portion loosen. However, for example, in the strap 1 shown in Figure 1, only the movement of the handles 52 is limited, and even if the first engagement portion and the second engagement portion loosen, the bag 5 does not immediately fall down. In addition, from the point of appearance of the bag 5, constant use of the strap 1 may be avoided. For these reasons, there is an occasion that the strap is required to be easily attached to and detached from the handle. On such an occasion, for example, like the concave portion 21 and the convex portion 22 of the strap 1, for the first engagement portion and the second engagement portion, it is preferable that the engagement is loosened and the rings are no longer formed simultaneously by simply applying a force in a direction in which the first engagement portion and the second engagement portion are pulled out.

**[0043]** In the configuration of the first engagement portion and the second engagement portion of the present invention described above, for example, a configuration may be adopted in which a plurality of engageable locations are set in a manner that a plurality of the convex portions 22, 32 of the end portions 2, 3 in Figure 1 are arranged in parallel, or that the hook-and-loop fasteners are arranged widely. On this occasion, sizes of the rings of the two end portions 2, 3 can be adjusted corresponding to the thickness of the handles 52. Furthermore, by adjusting the engagement locations, the length of the strap 1 can also be adjusted to match the size of the body of the user.

**[0044]** Furthermore, the strap 1 shown in Figure 1 has a configuration in which the same surface of the strap 1 meets when the snap buttons are engaged; and as shown in Figure 5, the strap 1 can also have a configuration in which different surfaces of the strap 1 meet. In this configuration, as shown in Figure 5, center axes of the rings formed on the end portions tilt with respect to an extension direction of the strap 1, and the effect of making it difficult for the handles 52 to slip down from the shoulder can be further improved. In the following, it is specifically described.

**[0045]** If the strap 1 is hooked on the handles 52 as shown in Figure 4, the strap 1 is not in a horizontal state but a state in which the location of the strap 1 is lowered as the strap 1 gets away from the handles 52. In contrast, the handles 52 extend along a substantially vertical direction in a position in contact with the strap 1. That is, in the position in which the strap 1 comes into contact with the handles 52, extension directions of the strap 1 and the handles 52 obliquely intersect instead of being orthogonal. Therefore, when the configuration of Figure 5 is adopted, the rings of the end portions of the strap 1 can be further fitted to the handles 52, and the effect of making it difficult for the handles 52 to slip down from the shoulder can be further improved. Figure 6 shows one example of the usage condition in a case when the con-

figuration of Figure 5 is adopted. For reasons above, the first engagement portion and the second engagement portion of the present invention can also be engaged on different surfaces of the strap 1.

**[0046]** Furthermore, the configuration in which the strap 1 is hooked on the handles 52 is not limited to the configuration including the first engagement portion and the second engagement portion described above, and a configuration having hook-shaped components (referred to as "hook portions" hereinafter) can also be adopted. In this configuration, the handles 52 pass through spaces on inner sides of the hook portions. Here, entrances (between shafts and pointy ends of the hook portions) to the spaces may be opened/closed freely like snap swivels, or remain open. In Figure 7, a hook portion 6 which remains open between the pointy end and the shaft is shown. In the hook portion 6 shown in Figure 7, the space which the handle 52 passes through is in a state of being always open, and thus the strap 1 is easily attached to and detached from the handles 52. As described above, when easy attachment/detachment of the strap 1 is required, the configuration like the hook portions 6 may be adopted.

**[0047]** Furthermore, the case is described in which the two end portions 3, 2 have the same configuration in the strap 1 shown in Figure 1, but each end portion 3, 2 can also have different configurations.

[About how strap is hooked to handles]

**[0048]** In the description of Figure 4, the hooking of the strap 1 shown in Figure 1 on the handles 52 is described, but the hooking position is not specifically mentioned. However, wherever the hooking position is, the effect of preventing the slipping down from the shoulder works. This is described below using Figure 8. Figure 8 is a schematic view showing an example of how the strap is hooked.

**[0049]** In Figure 8(A) and Figure 8(B), the location relationship, observed from above the user, of a body B of the user, the strap 1 surrounding the body B, and base parts (4 positions) of the handles 52 hung over the shoulder is shown. Furthermore, in these diagrams, a lower side corresponds to the front side of the user, and an upper side corresponds to the back side of the user. In addition, among the base parts of the handles 52, the base parts close to the user are called inner sides, the base parts far from the user are called outer sides, and they are combined with the front side and the back side for distinguishing. Specifically, among the base parts of the handles 52, the base part close to the user and in the front side is called a front inner side (a handle 52a in Figure 8), the base part close to the user and in the back side is called a back inner side (a handle 52b in Figure 8), the base part far from the user and in the front side is called a front outer side (a handle 52c in Figure 8), and the base part far from the user and in the back side is called a back outer side (a handle 52d in Figure 8).

**[0050]** First, in Figure 8 (A), the state is shown in which the strap 1 is hooked on each of the bases of the handles 52 on the inner side (the handles 52a, 52b). This state is one example, and the state may also be that the strap 1 is hooked on the handles 52 on the outer side (the handles 52c, 52d). In addition, adjacent handles 52 on the front side or the back side can be wrapped together to be hooked in a manner that the handle 52a on the front inner side and the handle 52c on the front outer side are wrapped together to be hooked. In addition, for example, when it is necessary to see the contents of the bag 5 in a state that the strap 1 is hooked on the handle 52c, 52d on the outer sides, for example, the contents of the bag 5 can be seen by temporarily hooking the strap 1, which is hooked on the handle 52c on the front outer side, on the handle 52a on the front inner side. Then, if necessary, the strap 1 may be hooked on the handles 52c on the front outer side again.

**[0051]** Furthermore, at the time of hooking the strap 1 on the handles 52, for example, the strap 1 on the front side of the user can also be hooked on the handles 52b, 52d on the back side of the user and not always hooked on the handles 52 on the same side. At this moment, for example, as shown in Figure 8 (B), when the strap 1 on the front side of the user goes around the outer side of the handle 52c on the front outer side to be hooked on the handle 52d on the back outer side, the strap 1 can be hooked not only on the handle 52d on the back outer side but also on the handle 52c on the front outer side.

**[0052]** In addition, in Figure 8 (C), the state is shown in which the handle 52 passes through the inner side of the ring formed at one end portion 2 of the strap 1, but when the strap 1 is hooked on the handle 52, it is not limited to this usage. For example, as shown in Figure 8 (D), when the strap 1 is wrapped around the handle 52, both of the concave portion 21 and the convex portion 22 in the end portion 2 are folded back at the handle 52, and the end portion 2 is wrapped around the strap 1 instead of the handle 52 (a state in which the strap 1 passes through the ring formed in the end portion 2), and thereby the strap 1 can also be hooked on the handle 52. On this occasion, the ring is formed at a position different from the end portion 2 of the strap 1, and the handle 52 passes through the inner side of the ring. Furthermore, the same applies to the occasion of the hook portions 6 described above. For example, when the hook portions 6 are adopted for the end portion 2, the end portion 2 of the strap 1 is folded back at the handles 52, and the hook portions 6 of the end portion 2 are hooked on the strap 1, and thereby the handles 52 can pass through the inner sides of the rings formed in the strap 1.

**[0053]** In addition, instead of hooking the two end portions 2, 3 on the handles 52 as shown in Figure 4, the handles 52 and the user may be wrapped together to go around the strap 1, and each of the end portions 2, 3 is engaged with each other (for example, the concave portion 21 and the convex portion 22 are engaged with the convex portion 32 and the concave portion 31 of the end

portion 3, or the hook portions 6 at the two end portions are hooked with each other, or the like). Furthermore, at this moment, the strap 1 is made to pass through an upper portion of the bag body 51. On this occasion, not the two end portions 2, 3 but the entire strap 1 forms one ring, and the handles 52 and the user pass through the inner side of the ring. In this way, the strap 1 can also be hooked on the handles 52.

**[0054]** That is, regardless of the way and the configuration, as long as the strap 1 can be hooked on the handles 52, the handles 52 can be prevented from slipping down from the shoulder accordingly.

**[0055]** Furthermore, when there are two handles 52, it is preferable that the handles 52 on the outer side viewed from the user are hooked on; furthermore, it is preferable that the handles 52 are hooked on both the front side and the back side of the user.

[About length adjustment]

**[0056]** As described above, when hooking the strap 1 on the handles 52, various ways can be adopted, and the length of the strap 1 surrounding the user varies with these ways. For example, comparing the occasion of Figure 8 (A) with the occasion of Figure 8 (B), the strap needed on the latter occasion is longer. In other words, by varying the hooking manner of the strap 1, the strap 1 can be fitted to the body of the user to some extent without using the length adjustment component 4. Therefore, the length adjustment component 4 is not necessary, but in order to match the body of the user, it is preferable that there is a length adjustment component 4. In addition, the length adjustment component 4 is not limited to the configuration of the strap 1 shown in Figure 1, for example, by using elastic components such as rubbers or the like in materials of the strap 1, the part of the elastic components may be used as a length adjustment component.

[About form of adding configuration to bag]

**[0057]** In the strap 1 of the embodiments described above, the configuration is described in which the strap 1 is hooked, from the front side and the back side of the user, on the handles 52 capable of being hung over the shoulder. In the configuration, as long as the handles of the bag can be hooked from the shoulder, no other configuration is required. However, when the configuration in which the strap is attached to the bag side is adopted to make a bag having a strap, the same effect can also work.

**[0058]** For example, the convex portion 22 provided on the end portion 2 of the strap 1 shown in Figure 1 may be provided on the handles 52 of the bag 5 shown in the Figure 2 instead of on the strap 1, and the handles 52 and the strap 1 can be connected. In addition, when the configuration is adopted in which the hook portions 6 shown in Figure 7 are provided on the end portion 2 of

the strap 1, ring-like components such as D-rings may be provided on the handles 52, and the handles 52 and the strap 1 can be connected by hooking the hook portion 6 on the ring-like components. Additionally, the handles and the strap can also be connected by adopting a bag in which any one of a pair of connecting components, such as the snap swivels and the D-rings or concave portions and convex portions of plug buckles, is provided on the end portions of the strap, and another one is provided on the handles. As shown in these examples, if the configuration of the bag provided with a connecting portion capable of connecting the strap to the handles is adopted, similar to the configuration of hooking the strap on the handles of the bag, the handles can be prevented from slipping down from the shoulder. In addition, similar to the configuration of hooking the strap on the handles of the bag, in a configuration of the bag in which the handles and one end of the strap are fixed so as not to be separated, the handles can also be prevented from slipping down from the shoulder.

**[0059]** The configuration above are the configurations in which the strap, which is provided from "the front side and the back side of the user by passing under the armpit on the side opposite to the side where the handles hung over the shoulder are", is mounted in a manner different from the strap 1 shown in Figure 1 by adding the configuration to the handles of the bag attached with the strap. Examples of combinations thereof include the configuration in which "the straps from the front side and the back side is connected to a first connecting portion and a second connecting portion provided on the handles" (equivalent to the first bag of the present invention), the configuration in which "one of the straps from the front side and the back side is connected to the connecting portion provided on the handles, and the other is hooked on the handles" (equivalent to the second bag of the present invention), the configuration in which "one end of the strap from the front side and the back side is fixed to the handles, and the other end is connected to the connecting portion provided on the handles" (equivalent to the third bag of the present invention), or the configuration in which "one end of the strap from the front side and the back side is fixed to the handles, and the other end is hooked on the handle" (equivalent to the fourth bag of the present invention).

**[0060]** Furthermore, in the configurations of the above-described bags, about the configuration of hooking the strap on the handles, a configuration the same as the configuration described in the embodiment of the strap 1 shown in Figure 1 can be adopted. In addition, in the configuration of the above-described bag, when the configuration in which one end of the strap is fixed to the handles is adopted, the strap can be prevented from being lost.

**[0061]** The above-described configuration of the bag adopts the configuration in which the strap is directly attached to the handles to prevent the handles from slipping down, but even if the strap is attached to a position other

than the handles, the handles can also be prevented from slipping down. As one example, the configuration of the bag provided with the D-rings respectively on the two ends in the longitudinal direction of the bottom and the strap provided with the snap swivels on the two end portions are described (equivalent to one example of the fifth bag of the present invention). In this configuration, the strap is arranged from the front side and the back side of the user by going around the torso of the side opposite to the side where the handles hung over the shoulder, and the snap swivels in both end portions of the strap are respectively connected to the D-rings at the two ends of the bag bottom to be used (equivalent to one example of the first connecting portion and the second connecting portion in the fifth bag of the present invention). In this state, shaking of the bag body can be suppressed; as a result, the handles can be prevented from slipping down from the shoulder. Furthermore, the configuration in which the bag bottom and the strap can be connected is not limited to the above-described examples, for example, a configuration the same as the previously mentioned configuration capable of connecting the handles of the bag and the strap can be adopted. In addition, when legs are provided in the corners of the bag bottom, parts thinner than other parts are formed in one portion of shafts of the legs, and components engageable with the shafts are provided in the two ends of the strap, and thereby the bag bottom and the strap can also be connected. As described above, by providing the connecting portions capable of connecting the strap to the bag bottom, the shaking of the bag can be further suppressed, and the handles can be prevented from slipping down from the shoulder. Furthermore, preferably, the above-described connecting portions are on the two ends in the longitudinal direction of the bag bottom.

#### Reference Signs List

#### **[0062]**

1	strap
2, 3	end portion
21, 31	concave portion
22, 32	convex portion
4	length adjustment component
5	bag
6	hook portion

#### **Claims**

1. A strap, which is capable of being hooked, from the front side and the back side of a user, on handles of a bag hung over the shoulder by passing under the armpit on a side opposite to the side where the handles are.
2. The strap according to claim 1, comprising:

- a first engagement portion provided on at least one end portion, and  
a second engagement portion provided at a location different from the first engagement portion and capable of engaging with the first engagement portion; and  
the strap is capable of being hooked on the handles by passing through inner sides of rings formed by engagement between the first engagement portion and the second engagement portion.
3. The strap according to claim 2, wherein the first engagement portion and the second engagement portion are engaged facing different surfaces of the strap.
4. The strap according to any one of claims 1 to 3, wherein  
hook portions which remain open between pointy ends and shafts are provided on at least one end portion, and  
the hook portions can be hooked on the handles.
5. A bag, comprising:  
handles, which are capable of being hung over the shoulder;  
a first connecting portion and a second connecting portion provided on the handles; and  
a strap, which, in a state that the handles are hung over the shoulder, is capable of being respectively connected, from the front side and the back side of a user, with the first connecting portion and the second connecting portion by passing under the armpit on a side opposite to a side where the handles are.
6. A bag, comprising:  
handles, which are capable of being hung over the shoulder;  
connecting portions provided on the handles; and  
a strap, which, in a state that the handles are hung over the shoulder, is capable of being connected, from either one side of the front side and the back side of a user, with the connecting portions by passing under the armpit on a side opposite to a side where the handles are, and which is capable of being hooked on the handles from the other side different from the one side.
7. A bag, comprising:  
handles, which are capable of being hung over the shoulder;  
connecting portions provided on the handles;
- and  
a strap, of which one end is fixed to the handles, wherein the strap is capable of being connected, from either of the front side and the back side of a user in a state that the handles are hung over the shoulder, with the connecting portions by passing under the armpit on a side opposite to a side where the handles are.
8. A bag, comprising:  
handles, which are capable of being hung over the shoulder; and  
a strap, of which one end is fixed to the handles, wherein the strap is capable of being hooked, from either of the front side and the back side of a user in a state that the handles are hung over the shoulder, on the handles by passing under the armpit on a side opposite to a side where the handles are.
9. The bag according to claim 6 or 8, wherein the strap comprises:  
a first engagement portion provided on an end portion on a side hooked on the handles, and  
a second engagement portion provided at a location different from the first engagement portion and capable of engaging with the first engagement portion; and  
the strap is capable of being hooked on the handles by passing through inner sides of rings formed by engagement between the first engagement portion and the second engagement portion.
10. The bag according to claim 9, wherein the first engagement portion and the second engagement portion are engaged facing different surfaces of the strap.
11. The bag according to claim 6 or 8, wherein the strap has  
hook portions which remain open between pointy ends and shafts at the end portions on the sides hooked on the handles; and  
the hook portions are capable of being hooked on the handles.
12. A bag, comprising:  
handles, which are capable of being hung over the shoulder;  
a first connecting portion and a second connecting portion provided on a bottom; and  
a strap, which, in a state that the handles are hung over the shoulder, is capable of being re-

spectively connected, from the front side and the back side of a user, with the first connecting portion and the second connecting portion by going around the torso on a side opposite to a side where the bottom is.

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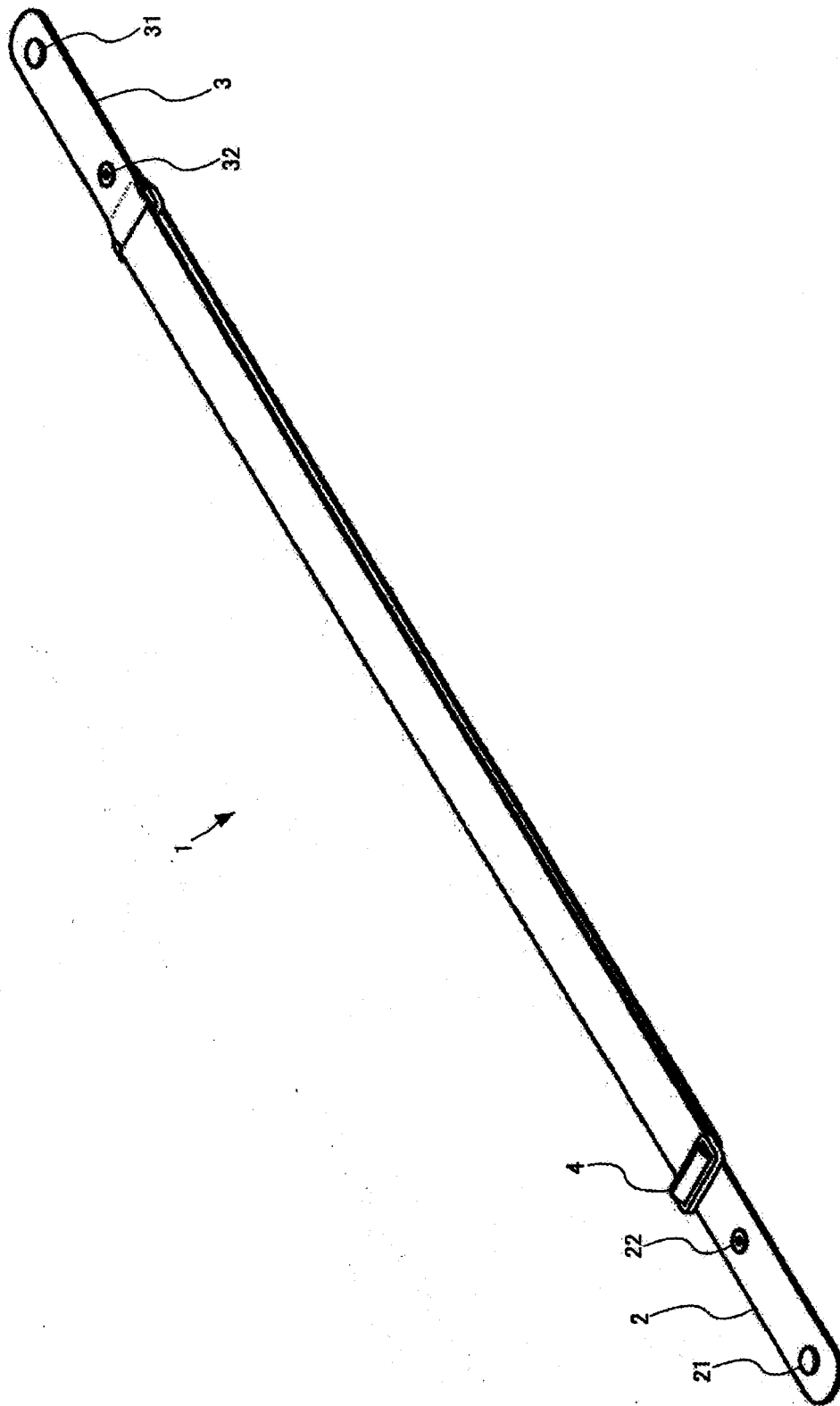


FIG. 1

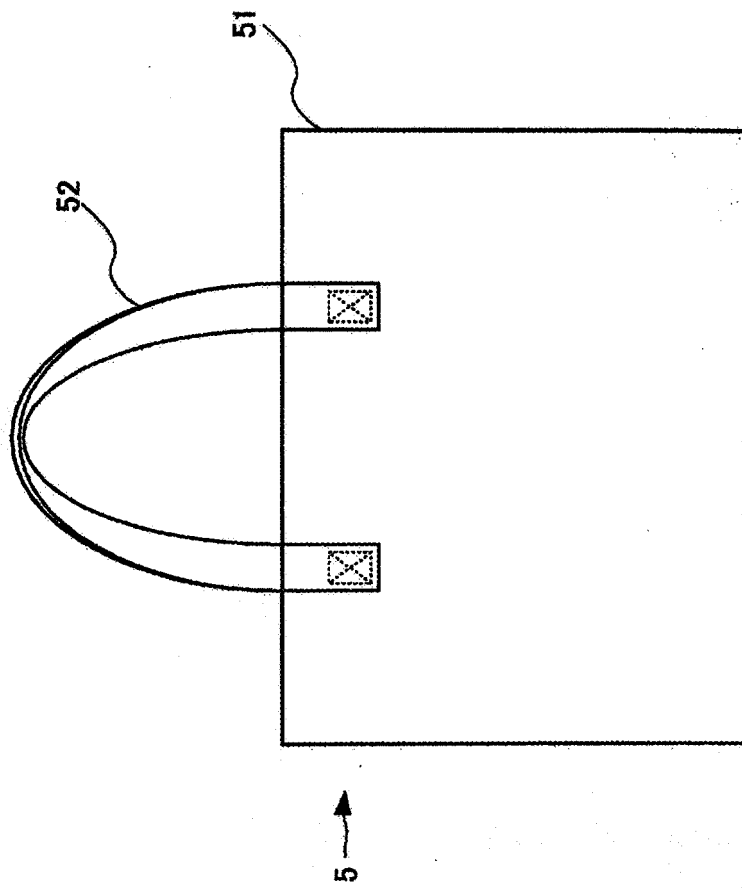


FIG. 2

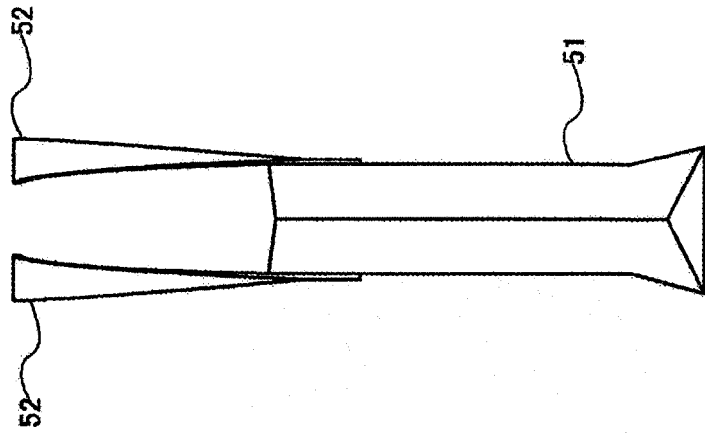


FIG. 3

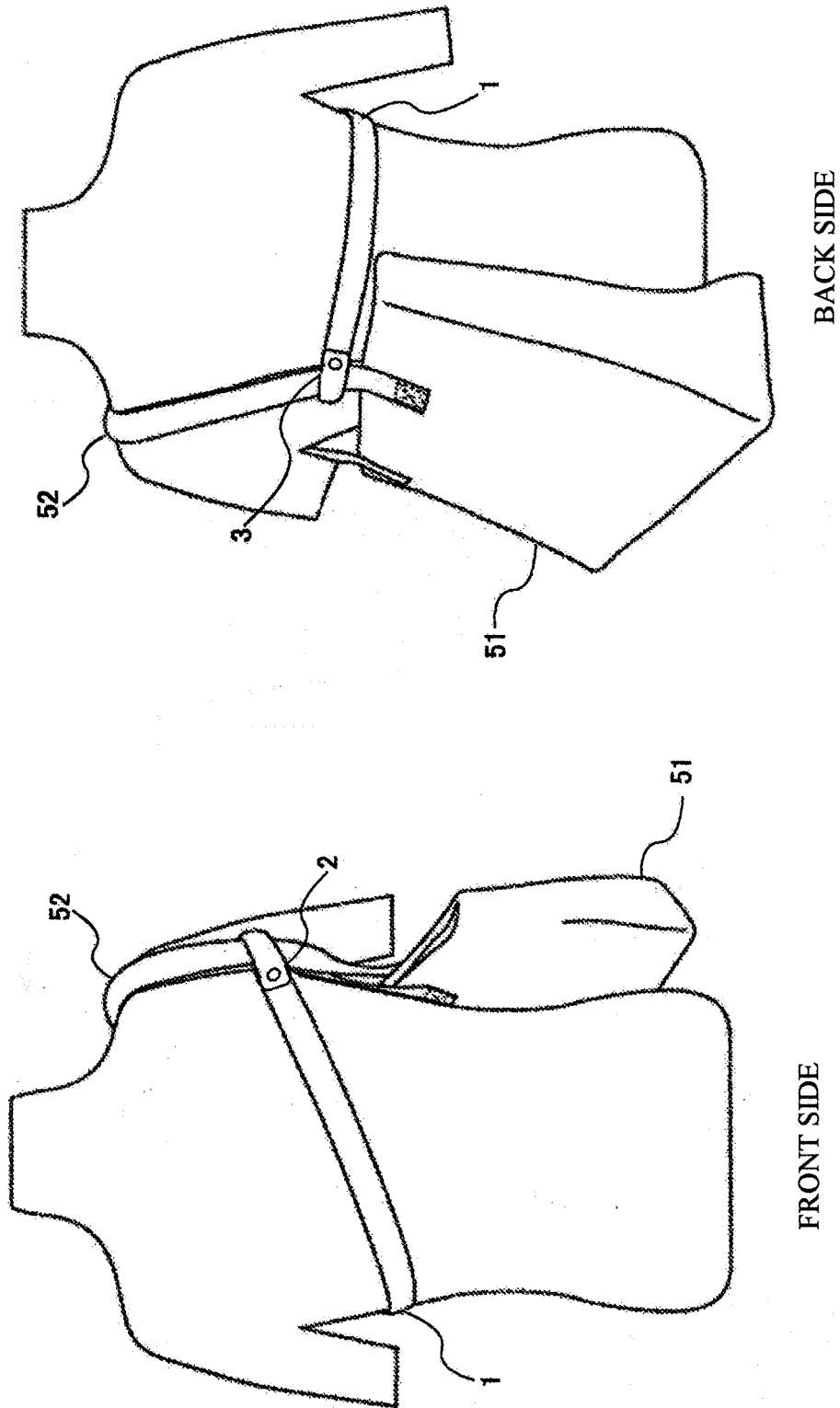


FIG. 4

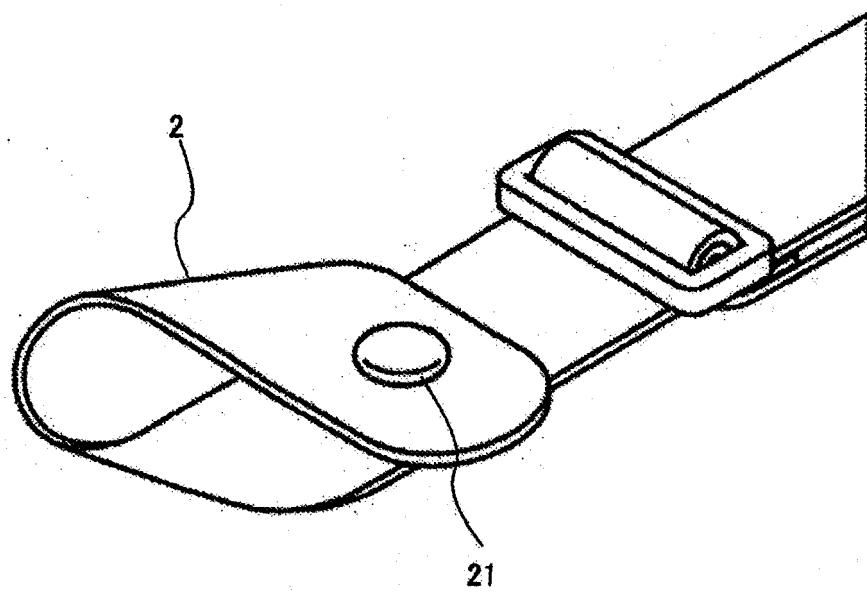
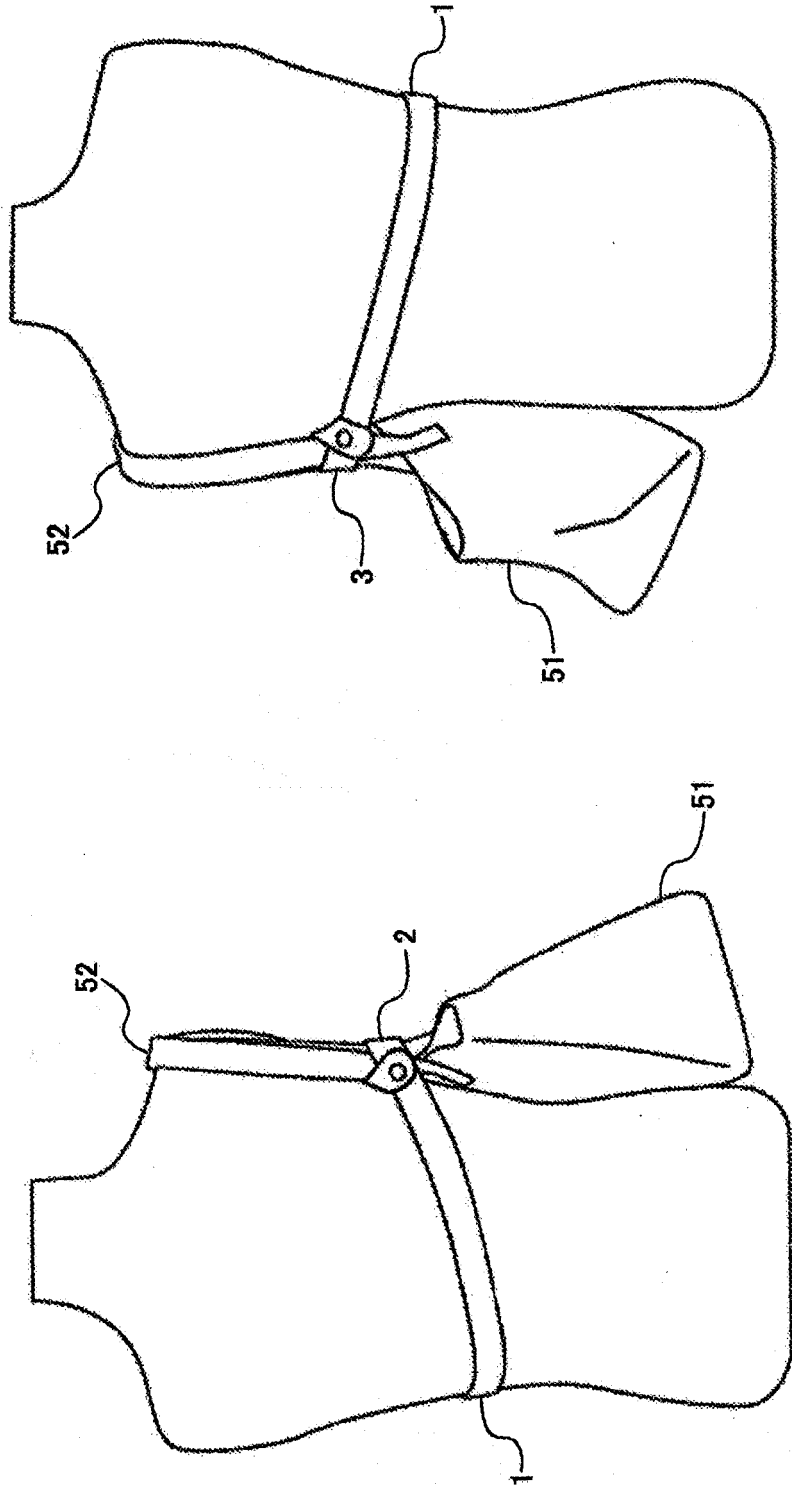


FIG. 5



BACK SIDE

FRONT SIDE

FIG. 6

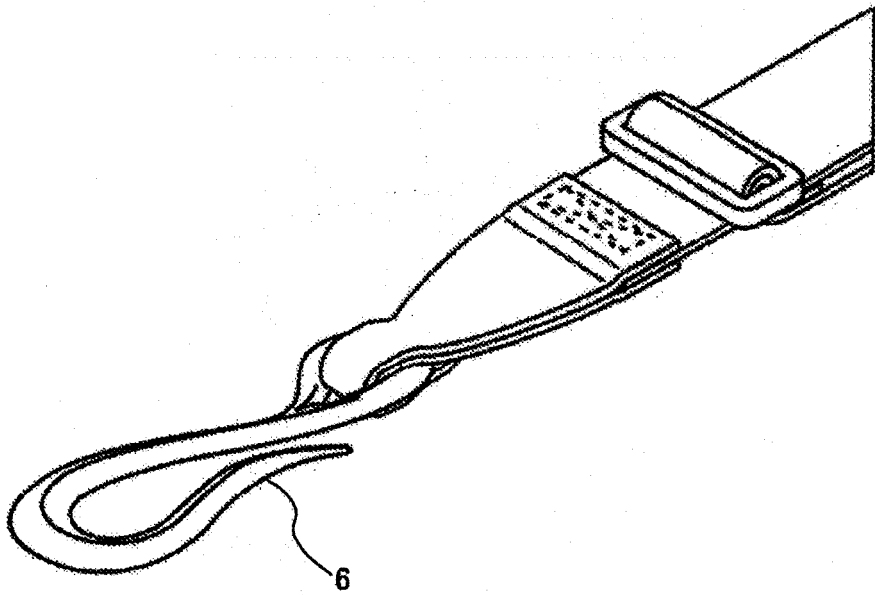


FIG. 7

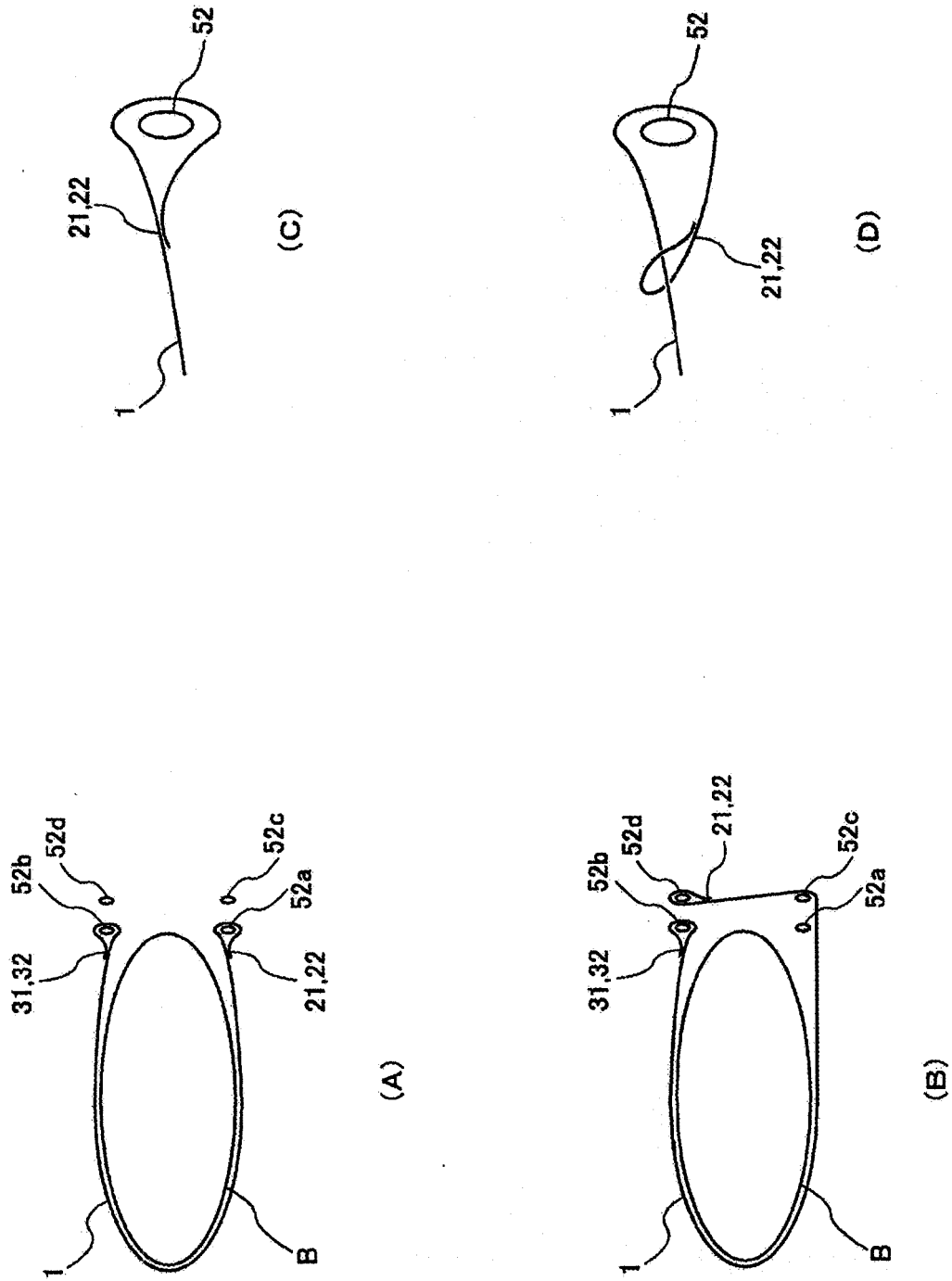


FIG. 8

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2017/041071

5	A. CLASSIFICATION OF SUBJECT MATTER Int.Cl. A45F3/02 (2006.01) i, A45C13/30 (2006.01) i	
	According to International Patent Classification (IPC) or to both national classification and IPC	
10	B. FIELDS SEARCHED	
	Minimum documentation searched (classification system followed by classification symbols) Int.Cl. A45F3/02, A45C13/30	
15	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched	
	Published examined utility model applications of Japan	1922-1996
	Published unexamined utility model applications of Japan	1971-2018
	Registered utility model specifications of Japan	1996-2018
	Published registered utility model applications of Japan	1994-2018
	Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)	
20	C. DOCUMENTS CONSIDERED TO BE RELEVANT	
	Category*	Citation of document, with indication, where appropriate, of the relevant passages
25	X Y A	JP 2005-211630 A (TANAKA, Yoshimasa) 11 August 2005, paragraph [0006], fig. 1-2 (Family: none)
		1, 5 2, 4 3
30	Y A	JP 2013-150763 A (KRONGTHIP INC.) 08 August 2013, paragraphs [0063]-[0070], [0094]-[0098], fig. 7-8, 13 & US 2013/0168428 A1, specification, paragraphs [0047], [0057], fig. 7 A-8B, 13A-13C & US 9635914 B2 & JP 5362063 B2 & GB 2498024 A & GB 2498024 B & DE 102012112359 A1 & CN 103181668 A & CN 103181668 B & KR 10-2013-0076689 A & KR 10-1319665 B1 & TW 201325497 A1 & TW 1477244 B
35		2, 4, 6, 8-9, 11 3, 10
40	<input checked="" type="checkbox"/>	Further documents are listed in the continuation of Box C.
	<input type="checkbox"/>	See patent family annex.
45	* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
	"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
	"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
	"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
	"O" document referring to an oral disclosure, use, exhibition or other means	
	"P" document published prior to the international filing date but later than the priority date claimed	
50	Date of the actual completion of the international search 13 February 2018 (13.02.2018)	Date of mailing of the international search report 27 February 2018 (27.02.2018)
55	Name and mailing address of the ISA/ Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	Authorized officer  Telephone No.

Form PCT/ISA/210 (second sheet) (January 2015)

INTERNATIONAL SEARCH REPORT

International application No.  
PCT/JP2017/041071

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	JP 47-12341 Y1 (SHIBATA, Mitsugu) 08 May 1972, column 1, line 36 to column 3, line 9, fig. 1-6 (Family: none)	7 6, 8-9, 11 10
X	DE 202014102421 U1 (RTNTRD ROLF IRAUTWEIN UND NADINE IRAUTWEIN RESEARCH & DEVELOPMENT GBR) 28 August 2015, specification, paragraph [0028], fig. 1-3 (Family: none)	12

**REFERENCES CITED IN THE DESCRIPTION**

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- JP 2013150763 A [0003]
- WO 2015019996 A [0003]