DESCRIPTION

WRISTBAND, CONTINUOUS BODY OF WRISTBANDS, AND METHOD FOR WINDING WRISTBAND

TECHNICAL FIELD

[0001]

The present invention relates to a wristband, a continuous body of the wristbands and method for winding the wristbands, in particular, a wristband, a continuous body of the wristbands and method for winding the wristbands capable of identifying a person such as patients in a medical field or visitors in an amusement field by winding the same around a wrist or an ankle of them.

BACKGROUND ART

[0002]

Conventionally, known is a wristband in a strip shape in which an adhesive is applied to a rear surface of its main body in a belt shape and a mount is temporarily attached thereto. When it is in use, both ends of the main body are adhered with each other after peeling off a part of the mount and exposing the adhesive layer so as to go it around a wrist or the like in a ring shape. That is, the adhesive layer on the rear surface of one end is adhered to the front surface of the other end. Further, in at least one end portion, a notch portion is formed for preventing re-use or unauthorized use.

[0003]

However, it is cumbersome for a user to wind the wristband in an elongate strip shape around a wrist or an ankle, which are different in size depending on the user, on an appropriate position and in an appropriate size (or diameter). Particularly, there is a problem that it is difficult to ensure a proper form adhered when the user winds the wristband by himself/herself alone and its workability is lowered. In addition, there is a problem that, when both ends are adhered to each other, both ends are easily shifted from each other because the wristband itself is elongated.

[0004]

Further, there is also a problem that the above mentioned trouble, which is the situation of being not able to ensure a proper form because it is cumbersome for the user to wind a wristband in an elongate strip shape around a wrist or an ankle, is likely to occur when both ends of a wristband in a label are adhered to each other. Because the notch portion is not located at an adhesion portion (an overlapping portion) formed on both ends for unauthorized use, and it is difficult to sufficiently fulfill the function of fracture (the function

of unauthorized use), if both ends are not accurately, surely and carefully adhered to each other along a predetermined length when both ends of the wristband in a label are adhered.

[0005]

In addition, in a continuous body successively formed of a plurality of wristbands in one piece, the wristband in one piece is separated from an end portion thereof for use. In the wristband configured to be (temporarily) attached with a mount on the rear surface a band base material, it is needed to carry out a procedure to peel off a part of the mount from the rear surface of the band base material so as to expose the adhesive layer after the wristband is obtained in one piece. So, there is a problem that it takes time up to the preparation of the wristband in one piece, in which the wristband is actually formed in a ring shape by exposing the adhesive layer from a state of the continuous body of wristbands.

CITATION LIST

Patent Literature

[0006]

Patent Literature 1 : Japanese Unexamined Patent Application Publication No. 2006-39209.

SUMMARY OF INVENTION

Technical Problem

[0007]

Embodiments of~~The present invention has been made based on such circumstances. It is an objective~~ the present invention seek to provide a wristband, a continuous body of the wristbands and a method for winding the wristband, which may ensure~~are~~ easy~~and ensure to operation of~~ winding to~~it~~ a subject such as a wrist or an ankle.

[0008]

Embodiments~~It is another objective~~ of the present invention also seek to provide a wristband, a continuous body of the wristbands and a method for winding the wristband,~~in~~ which may~~it is able to~~ ensure a proper and accurate form as wound in a ring shape.

[0009]

Embodiments~~It is another objective~~ of the present invention also seek to provide a wristband, a continuous body of the wristbands and a method for winding the wristband, in which both ends thereof are adhered with each other in correct posture such that a notch portion for preventing unauthorized use may be~~is~~ exhibited to ensure its function.

[0010]

Embodiments~~It is another objective~~ of the present invention also seek to provide a wristband, a continuous body of the wristbands and a method for winding the wristband, in which a ring shape may be~~is~~ formed immediately since a mount is peeled off already from the band base material when the wristband is separated from the continuous body of the wristbands.

Solution to Problem

[0011]

Embodiments of t~~T~~he present invention relate to~~is focused on~~ adhering both rear surfaces first rather than adhering a rear surface of a band base material to a front surface thereof in the prior art, and dividing into two steps operation of winding rather than completing operation of winding the wristband in a ring shape around the subject in one step. In a first aspect of the present invention, a wristband comprising: a band base material in a belt shape; an adhesive layer formed on a rear surface of the band base material; and a mount temporarily attached to and covering the adhesive layer, the band base material comprising: a central region capable of displaying specific information; a first winding region and a second winding region respectively located in the left and right ends of the central region so as to be wound around a subject of a wrist or an ankle together with the central region; and a first adhesion position guide and a second adhesion position guide disposed in the first winding region and the second winding region, respectively, wherein the adhesive layer is exposed when the mount located on the rear surface of the first winding region is peeled off, wherein the rear surface of the first winding region having the adhesive layer exposed is adhered to the rear surface of the second winding region to form a ring shape with a maximum diameter winding the subject by overlapping each other such that the first adhesion position guide and the second adhesion position guide are put together while a part of the adhesive layer remains to be possibly exposed, and wherein the first winding region having the part of the adhesive layer remaining partially to be possibly exposed is adhered to the front surface of the second winding region and the diameter of the wristband is adjustable appropriate to the subject varying in size.

[0012]

In an embodiment~~a second aspect~~ of the present invention, the~~a wristband for being wound around a wrist or an ankle, which comprises: a band base material in a belt shape; an adhesive layer entirely formed on a rear surface of the band base material; and a~~ mount may be in a belt shape ~~temporarily attached to and covering the adhesive layer~~, ~~wherein~~ the adhesive layer may be~~is~~ exposed when the mount located in the rear surface of one end portion of the band base material is peeled off, and wherein the mount may be~~is~~ exposed when the band base material on the front surface of the other end portion thereof is peeled off.

[0013]

In an embodiment~~a third aspect~~ of the present invention, the~~a continuous body has a plurality of wristbands according to the second aspect as above, namely the continuous body of wristbands for winding a wrist or an ankle, which comprises: a band base material in a belt shape; an~~ adhesive layer may be entirely formed on a rear surface of the band base material; and the~~a~~ mount in a belt shape may be temporarily attached to and covering the adhesive layer, wherein the band base material may be~~is~~ formed with a pair of band separation lines at a predetermined distance so as to form a wristband in one piece, wherein the mount may be~~is~~ formed with a pair of mount

separation lines at a predetermined distance, the pair of band separation lines being located at positions different from the pair of band separation lines, respectively, wherein, in the wristband in one piece, the adhesive layer may beis exposed when the mount located in the rear surface of one end portion of the band base material is peeled off, and wherein the mount may beis exposed when the band base material in the front surface of the other end portion thereof is peeled off.

[0014]

The band separation lines may be cuts for separating to form the wristband in one piece.

[0015]

The band separation lines may be cuts for separating to form the wristband in one piece and forms a distance for detecting position in a portion of the cuts.

[0016]

In an embodimentfourth aspect of the present invention, ~~a continuous body of wristbands, comprising: a band base material in a belt shape; an adhesive layer formed on a rear surface of the band base material; and a mount temporarily attached to and covering the adhesive layer, the band base material comprising: a central region capable of displaying specific information; a first winding region and a second winding region respectively located in the left and right ends of the central region so as to be wound around a subject of a wrist or an ankle together with the central region, wherein~~ the band base material may beis formed with a first band separation line and a second band separation line to form a wristband in one piece, wherein the mount may beis formed with a first mount separation line and a second mount separation line to form the wristband in one piece, the first mount separation line and the second mount separation line being located at positions different from the first band separation line and the second band separation line, wherein, in the wristband in one piece, the adhesive layer may beis exposed when the mount located in the rear surface of the first winding region is peeled off, and wherein the mount may beis exposed when the band base material in the front surface of the second winding region is peeled off.

[0017]

In a secondfifth aspect of the present invention, a method for winding a wristband comprising: a band base material in a belt shape; an adhesive layer formed on a rear surface of the band base material; and a mount temporarily attached to and covering the adhesive layer, the band base material comprising: a central region capable of displaying specific information; a first winding region and a second winding region respectively located in the left and right ends of the central region so as to be wound around a subject of a wrist or an ankle together with the central region; and a first adhesion position guide and a second adhesion position guide disposed in the first winding region and the second winding region, respectively, the method comprising: an exposure step of exposing the adhesive layer by

peeling off the mount located in the rear surface of the first winding region, a first adhesion step of forming in a ring shape with a maximum diameter so as to be wound around a subject by adhesively overlapping the rear surface of the first winding region having the adhesive layer exposed and the rear surface of the second winding region such that a first adhesion position guide and a second adhesion position guide are put to each other in a state where a part of the adhesive layer remains to be possibly exposed, and a second adhesion step of adhering the first winding region having the adhesive layer remaining partially to be possibly exposed to the front surface of the second winding region, while adjusting the diameter of the wristband appropriate to the subject varying in size.

[0018]

The adhesive layer may be defined into a first adhesion region to be adhered to the rear surface of the second winding region and a second adhesion region to be adhered to the surface of the second winding region.

[0019]

At least one of the first winding region and the second winding region may be formed with a notch portion for fracture.

[0020]

The first adhesion position guide and the second adhesion position guide may be adhesion position marks printed in advance in the first winding region and the second winding region, respectively.

[0021]

The first adhesion position guide or the second adhesion position guide may be an adhesion position guide fragment formed in advance in the first winding region or the second winding region.

[0022]

The mount may be in direct contact with the subject.

[0023]

The band base material may be in direct contact with the subject.

[0024]

The mount may be made of a transparent material, and the first adhesion position guide and the second adhesion position guide may be disposed on the rear surface of the mount.

[0025]

The mount may be made of a transparent material, and is formed with at least one of the first adhesion position guide and the second adhesion position guide on the rear surface thereof.

[0026]

The mount located in the second winding region may be off the band base material and protrude from an end portion of the second winding region toward the opposite side of the

first winding region.

[0027]

The adhesive layer and the mount may be disposed only on the rear surface of the first winding region.

[0028]

The band base material of the second winding region may be formed with a plurality of perforations parallel to each other in a width direction.

[0029]

The first winding region may have on at least one of the surface and the rear surface thereof an advertisement column in advance printable of advertisement information on the wristband.

Advantageous Effects of Invention

[0030]

In a wristband, a continuous body of wristbands and a method for winding a wristband according to embodiments of the present invention ~~(a first aspect, a fourth aspect and a fifth aspect)~~, since a first adhesion position guide and a second adhesion position guide are provided in a first winding region and a second winding region, respectively, and rear surfaces of both ends of a band base material in a belt shape are adhered to each other, the user can easily and surely carry out operation of winding it around a wrist and the like even alone. And also, since firstly rear surfaces of the first winding region and the second winding region are adhered, and secondly a rear surface of the first winding region is adhered to a front surface of the second winding region, the user can wind it in a ring shape just to fit the size of the user's wrist or ankle.

[0031]

In particular, according to a wristband in the first aspect of the present invention, a first adhesion position guide and a second adhesion position guide are provided in the first winding region and the second winding region, respectively. And also, the rear surface of the first winding region having an adhesive layer exposed and the rear surface of the second winding region are adhesively overlapped and possibly form a ring shape to wind it around a subject such that the adhesion position guide and the second adhesion position guide are put on each other in a state where a part of the adhesive layer remains to be possibly exposed. Then, since the first winding region having the adhesive layer remaining partially to be possibly exposed can be adhered to the front surface of the second winding region, it is easy for the user to carrying out operations in adhering both end portions of the wristband and in winding with one hand.

[0032]

In particular, ~~according to a wristband in the second aspect of the present invention,~~

the adhesive layer can be exposed after the mount is peeled off from the rear surface of one end portion of the band base material, and also the mount is exposed after the band base material has been peeled off on the front surface of the other end portion of the ban base material. Then, since it is not needed to carry out a procedure of peeling off the mount, the wristband can be wound around the subject such as a wrist and the like by immediately adhering the end portion of the mount side to the end portion of the adhesive layer side and forming in a ring shape.

[0033]

In particular, ~~according to a continuous body of wristbands in the third aspect of the present invention,~~ a band base material is formed with a pair of band separation lines at a predetermined distance in order to form a wristband in one piece, a mount is formed with a pair of mount separation lines at a predetermined distance at a place different from the band separation lines, respectively. And also, an adhesive layer is possibly exposed by peeling off the mount in the rear surface of one end portion the band base material, and the mount is possibly exposed by removing the band base material in the front surface of the other end portion of the band base material. Then, since the mount in the most end portion of the continuous body of wristbands has been already in a single layer by separating the preceding wristband for use, the next wristband (the most end portion of the continuous body of wristbands above) can be obtained in one piece by peeling off only the band base material at the upstream from the mount, and workability is excellent.

[0034]

In particular, ~~according to a continuous body of wristbands in the fourth aspect of the present invention,~~ a first band separation line and a second band separation line formed in the band base material are located at locations different from a first mount separation line and a second mount separation line formed in the mount, respectively. And also, an adhesive layer is possibly exposed by peeling off the mount in the rear surface of the winding region, and the mount is possibly exposed by removing the band base material in the front surface of the second winding region. Then, since the mount in the most end portion of the continuous body of wristbands has been already in a single layer by separating the preceding wristband for use, similar to the third aspect as above, the next wristband (the most end portion of the continuous body of wristbands above) can be obtained in one piece by peeling off only the band base material at the upstream from the mount, and workability is excellent.

[0035]

In particular, according to a method of winding a wristband in the second~~fifth~~ aspect of the present invention, the method comprises an exposure step of exposing the adhesive layer by peeling off a mount in a rear surface of a first winding region, a first adhesion step of forming in a ring shape so as to be wound around a subject by adhesively overlapping the rear surface of the first winding region having the adhesive layer exposed and the rear surface of the