

Description

Adhesive Member and Assembly Thereof, and Anti-counterfeiting Packaging Device

5 **Technical Field**

Embodiments of the present disclosure relate to the field of packaging of commodities, and in particular to an adhesive member, an adhesive member assembly and an anti-counterfeiting packaging device.

10 **Background Art**

People have paid more and more attention to anti-counterfeiting of commodities, especially high-grade commodities. Many manufacturers simultaneously take multiple anti-counterfeiting measures on their products, for example, using barcodes and laser trademarks, but the products are still constantly counterfeited by others. The reason lies in that it is difficult for shoppers themselves
15 to identify the authenticity of the barcodes and laser trademarks, and some anti-counterfeiting methods adopted by the manufacturers may be technically counterfeited.

Summary of the Present disclosure

In order to solve or alleviate at least one aspect of the aforesaid technical problems, the present
20 disclosure is put forward.

According to one aspect of the embodiments of the present disclosure, an adhesive member is put forward, including:

an adhesive layer; and

a first layer disposed on the top side of the adhesive layer,

25 wherein:

the first layer is fixed to the adhesive layer, and the first layer is provided on its outer surface with a lottery ticket part, and the lottery ticket part is directly formed on the outer surface of the first layer.

Optionally, in the top view of the adhesive member, the whole of the lottery ticket part

overlaps the position of the adhesive layer; or in the top view of the adhesive member, only a portion of the lottery ticket part overlaps the position of the adhesive layer; or in the top view of the adhesive member, the lottery ticket part is located at the outside of the adhesive layer.

Optionally, the adhesive member further includes a second layer disposed on the bottom side
5 of the adhesive layer, the adhesive layer is disposed between the first layer and the second layer, and the second layer is suitable for being peeled from the adhesive layer to expose the adhesive layer.

Optionally, the adhesive member is strip-shaped or face-shaped.

Optionally, the adhesive member has a length of greater than 10 cm; or the adhesive member
10 has a width of greater than 10 cm.

The present disclosure further proposes an adhesive member assembly, including at least two of the aforesaid adhesive members, and the at least two adhesive members are placed side by side or stacked on each other.

Optionally, the adhesive member is provided with the aforesaid second layer, and the at least
15 two adhesive members are disposed on the common second layer.

Optionally, the adhesive member is provided with the aforesaid second layer, the adhesive member is strip-shaped, and the adjacent adhesive members among the at least two adhesive members are connected by a tearable part.

Optionally, the tearable part is disposed on the second layer, and the adhesive layers and the
20 first layers of the two adjacent adhesive members are not connected to each other or are spaced from each other.

The present disclosure also relates to an anti-counterfeiting packaging device, including:

a housing, wherein the housing defines an accommodation space, the housing is provided with a tearing part, the tearing part serves as a portion of the housing, and the tearing part and the other
25 parts of the housing are connected by a tearable part,

wherein:

the tearing part is provided on its outer surface with at least a portion of a valid area of the lottery ticket part, and at least a portion of the valid area of the lottery ticket part is directly formed on the outer surface of the tearing part.

30 Optionally, the tearing part is a tearing strip.

Optionally, the valid area of the lottery ticket part covers a portion of the outer surface of the tearing part and a portion of the outer surface of the housing.

Optionally, the valid area of the lottery ticket part is only disposed on the outer surface of the tearing part.

5 Anti-counterfeiting of a commodity may be facilitated in a simple manner by disposing a lottery ticket on the adhesive member or disposing a lottery ticket on the tearing part of the anti-counterfeiting packaging device.

Brief Description of the Drawings

10 The descriptions and figures below may better help understanding of these and other characteristics and advantages in various embodiments disclosed in the present disclosure, and the same reference signs in the figures always represent the same components, wherein:

Fig. 1 is a schematic diagram of a structure of an anti-counterfeiting adhesive member according to one exemplary embodiment of the present disclosure;

15 Fig. 2 is a schematic diagram of an adhesive member assembly according to one exemplary embodiment of the present disclosure; and

Fig. 3 is a schematic diagram of an anti-counterfeiting packaging device according to one exemplary embodiment of the present disclosure.

Detailed Description of the Embodiments

20 The technical solutions of the present disclosure are further illustrated in detail below by the embodiments in combination with the figures. The illustrations of the implementation modes of the present disclosure with reference to the figures below are intended to explain the overall present disclosure concept of the present disclosure, and shall not be understood as a limitation of the present disclosure.

Fig. 1 is a schematic diagram of a structure of an anti-counterfeiting adhesive member according to one exemplary embodiment of the present disclosure.

As shown in Fig. 1, the adhesive member 100 includes an adhesive layer 10, a first layer 20 disposed on the top side of the adhesive layer 10, and a second layer 30 disposed on the bottom side

of the adhesive layer 10. As shown in Fig. 1, the first layer is further provided on its outer surface with a lottery ticket part 22. Although not shown, those skilled in the art may understand that in an exemplary manner, the lottery ticket part 22 may include a scratching area, a lottery ticket barcode area, a prize-claiming barcode area and so on of the lottery ticket part.

5 It should be noted that in the present disclosure, the so-called lottery ticket part is a lottery ticket that may be confirmed, which lottery ticket, for example, is approved and issued by a relevant national institution, and a consumer may confirm the authenticity of the lottery ticket by inquiry.

10 In the present disclosure, the adhesive member is provided with the adhesive layer, and one side of the adhesive layer may be adhered to a commodity or the package of the commodity (more specifically, for example, to a flexible package), so the adhesive member may be disposed on the commodity or the package thereof. Thus, the consumer may confirm the authenticity of the commodity by the lottery ticket part or the lottery ticket part at least may serve as a means for judging the authenticity of the commodity.

15 As may be understood by those skilled in the art, the second layer 30 herein may be peeled from the adhesive layer 10, and the first layer 20 is fixed to the adhesive layer 10 (the fixation herein means, for example, that the first layer cannot be peeled from the adhesive layer without destroying the first layer).

20 It should be further noted that although the second layer 30 is shown in Fig. 1, the second layer may be also not disposed. For example, in the case that the two adhesive members are stacked on each other, the bottom side of the adhesive layer of the upper adhesive member is directly located on the surface of the first layer of the lower adhesive member. The upper adhesive member may be directly adhered to cover the lottery ticket part, or not cover the lottery ticket part (as mentioned later, the lottery ticket part may be located at different positions relative to the adhesive layer in the top view of the adhesive member).

25 In Fig. 1, the position of the lottery ticket part 22 completely falls within the area of the adhesive layer in the top view, but the present disclosure is not limited thereto. For example, although not shown, in the top view of the adhesive member, only a portion of the lottery ticket part overlaps the position of the adhesive layer; or in the top view of the adhesive member, the lottery ticket part is located at the outside of the adhesive layer. These cases are all within the scope of
30 protection of the present disclosure.

As for the adhesive member, it may be strip-shaped (for example, in the top view, its length-width ratio is greater than 2, and is furthermore greater than 3). The strip-shaped adhesive member may be used for winding to seal the opening of the package of the commodity, such as the opening of the flexible package of the commodity. The portion of the strip-shaped adhesive member used for winding to seal the opening may be not provided with the lottery ticket part (which, in an exemplary manner, may correspond to that in the top view of the adhesive member, only a portion of the lottery ticket part overlaps the position of the adhesive layer; or in the top view of the adhesive member, the lottery ticket part is located at the outside of the adhesive layer).

The adhesive member may also have other shapes. For example, it is face-shaped (for example, in the top view, its length-width ratio is smaller than 2, and is furthermore less than 1.5).

In order to facilitate the sealing of the opening of the package of the commodity, the adhesive member has a length of greater than 10 cm. The adhesive member may be also face-shaped, and it has a width of greater than 10 cm.

In addition, the size of the adhesive member may fit the size of the actually used lottery ticket, and the specific size of the adhesive member may change along with the size of the lottery ticket printed thereon.

Fig. 2 is a schematic diagram of an adhesive member assembly 200 according to one exemplary embodiment of the present disclosure.

As shown in the right diagram of Fig. 2, the adhesive member assembly may be multiple adhesive members 100 placed on a common second layer 30, and the adjacent adhesive members 100 are spaced from each other.

As shown in the left diagram of Fig. 2, the adjacent adhesive members 100 may be also connected by a tearing part 210 that can be torn conveniently. The tearing part may be a weak connection part, and any connection part that helps to weaken a connection between two portions so as to facilitate the separation of the two portions may be the tearing part. To be specific, as shown in the left diagram of Fig. 2, the adhesive member is strip-shaped and is provided with the aforesaid second layer 30, and the adjacent adhesive members among the at least two adhesive members are connected by a tearable part. The tearable part may be only disposed on the second layer, and the adhesive layers and the first layers of the two adjacent adhesive members are not connected to each other or are spaced from each other. The tearable part is a weak connection, that is, a tearable part

that may be easily torn, such as a gap line or a thickness reduction line.

Although not shown, as mentioned above, two or more adhesive members may be also stacked on each other. The stacking herein may be flat stacking layer by layer, or stacking in a winding manner, which are both within the scope of protection of the present disclosure.

5 Fig. 3 is a schematic diagram of an anti-counterfeiting packaging device according to one exemplary embodiment of the present disclosure.

As shown in Fig. 3, an anti-counterfeiting packaging device 300 includes:

a housing 310, the housing defines an accommodation space, the housing is provided with a tearing part 320, the tearing part 320 serves as a portion of the housing, the tearing part and the
10 other parts of the housing are connected by a tearable part, the tearing part 320 is provided on its outer surface with a lottery ticket part 22, and the lottery ticket part 22 is directly formed on the outer surface of the tearing part.

The valid portion of the lottery ticket part may be only disposed on the tearing part, or may have one portion being disposed on the tearing part and the other portion being disposed on the
15 outer surfaces of the housing.

The valid area of the lottery ticket part 22 may include a scratching area, a lottery ticket barcode area, a prize-claiming barcode area and so on of the lottery ticket part, and one portion of the valid area may be only disposed on the outer surface of the tearing part.

As may be understood, a weak connection, i.e., a tearable part that may be easily torn, such as
20 a gap line or a thickness reduction line, is adopted between the tearing part and the other parts of the housing.

In the embodiments as shown in the figures, the tearing part is a tearing strip. In addition, the tearing strip may be also provided with a tearing head to be pulled by a user. The present disclosure does not care about the specific form of the tearing part, and any tearing part that serves as a seal
25 opening member and is provided on its outer surface with a lottery ticket part is allowed, and is within the scope of protection of the present disclosure.

It should be noted that the figures of the present disclosure are only schematic. For example, the housing may also have a shape of a cylinder or have other three-dimensional shapes, or may have a substantially flat shape, and any housing that has a tearing part thereon being provided with
30 a lottery ticket part or at least a portion of the valid portion of the lottery ticket is within the scope

of protection of the present disclosure. For another example, the tearing part is not limited to the tearing strip shown, and may be also a pressing face or a tearing face, and any tearing part that is disposed on a housing to serve as a seal for opening the housing and is provided thereon with the lottery ticket part or at least a portion of the valid portion of the lottery ticket is within the scope of protection of the present disclosure.

Based on the aforesaid contents, the present disclosure puts forward the following technical solutions:

1. An adhesive member, including:

an adhesive layer; and

a first layer disposed on the top side of the adhesive layer,

wherein:

the first layer is fixed to the adhesive layer, the first layer is provided on its outer surface with a lottery ticket part, and the lottery ticket part is directly formed on the outer surface of the first layer.

2. An adhesive member assembly, including at least two of the aforesaid adhesive members, wherein the at least two adhesive members are placed side by side or stacked on each other.

3. An anti-counterfeiting packaging device, including:

a housing, wherein the housing defines an accommodation space, the housing is provided with a tearing part that serves as a portion of the housing, and the tearing part and the other parts of the housing are connected by a tearable part,

wherein:

the tearing part is provided on its outer surface with at least a portion of a valid area of the lottery ticket part, and at least a portion of the valid area of the lottery ticket part is directly formed on the outer surface of the tearing part.

Although the embodiments of the present disclosure have been shown and described, those of ordinary skill in the art may understand that the embodiments may be changed without departing from the principle and spirit of the present disclosure, and the scope of the present disclosure is defined by the appended claims and their equivalents together.

Claims

1. An adhesive member, comprising:

an adhesive layer; and

5 a first layer disposed on the top side of the adhesive layer,
wherein:

the first layer is fixed to the adhesive layer, and the first layer is provided on its outer surface with a lottery ticket part, and the lottery ticket part is directly formed on the outer surface of the first layer.

10 2. The adhesive member according to claim 1, wherein:

in the top view of the adhesive member, the whole of the lottery ticket part overlaps the position of the adhesive layer; or

in the top view of the adhesive member, only a portion of the lottery ticket part overlaps the position of the adhesive layer; or

15 in the top view of the adhesive member, the lottery ticket part is located at the outside of the adhesive layer.

3. The adhesive member according to claim 1, further comprising:

a second layer disposed on the bottom side of the adhesive layer, wherein the adhesive layer is disposed between the first layer and the second layer, and the second layer is suitable for being
20 peeled from the adhesive layer to expose the adhesive layer.

4. The adhesive member according to claim 1, wherein:

the adhesive member is strip-shaped or face-shaped.

5. The adhesive member according to claim 4, wherein:

the adhesive member has a length of greater than 10 cm; or
25 the adhesive member has a width of greater than 10 cm.

6. An adhesive member assembly, comprising:

at least two of the adhesive members according to any of claims 1-5, wherein the at least two adhesive members are placed side by side or stacked on each other.

7. The assembly according to claim 6, wherein:

30 the adhesive member is the adhesive member according to claim 3, and the at least two

adhesive members are disposed on the common second layer.

8. The assembly according to claim 6, wherein:

the adhesive member is the adhesive member according to claim 3, the adhesive member is strip-shaped, and the adjacent adhesive members among the at least two adhesive members are
5 connected by a tearable part.

9. The assembly according to claim 8, wherein:

the tearable part is disposed on the second layer, and the adhesive layers and the first layers of the two adjacent adhesive members are not connected to each other or are spaced from each other.

10. An anti-counterfeiting packaging device, comprising:

10 a housing, wherein the housing defines an accommodation space, the housing is provided with a tearing part, the tearing part serves as a portion of the housing, and the tearing part and the other parts of the housing are connected by a tearable part,

wherein:

the tearing part is provided on its outer surface with at least a portion of a valid area of a lottery
15 ticket part, and at least a portion of the valid area of the lottery ticket part is directly formed on the outer surface of the tearing part.

11. The device according to claim 10, wherein:

the tearing part is a tearing strip.

12. The device according to claim 10, wherein:

20 the valid area of the lottery ticket part covers a portion of the outer surface of the tearing part and a portion of the outer surface of the housing.

13. The device according to claim 10, wherein:

the valid area of the lottery ticket part is only disposed on the outer surface of the tearing part.