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71 Applicant: **Zijl, Sietze, Sint Antoniesbreestraat 64, NL-1011 HB Amsterdam (NL)**

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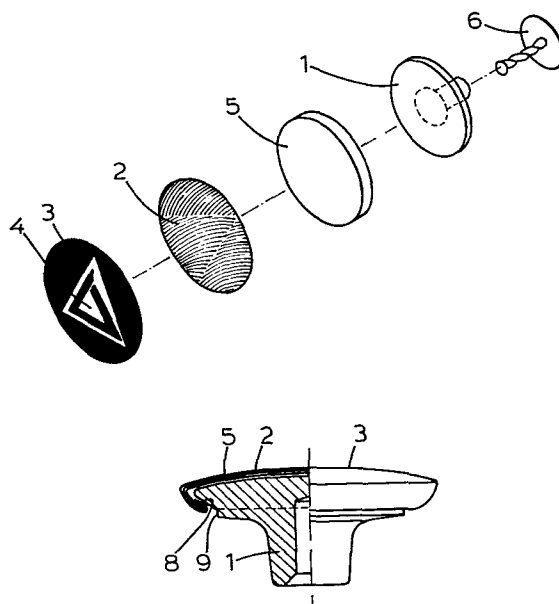
72 Inventor: **Zijl, Sietze, Sint Antoniesbreestraat 64, NL-1011 HB Amsterdam (NL)**

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74 Representative: **Jacobson, Gerard et al, Octroolbureau Los en Stijger B.V. Postbus 20052, NL-1000 HB Amsterdam (NL)**

54 **Button.**

57 The invention relates to a button, consisting of a carrier (1), to which a cover is connected. According to the invention the cover comprises a transparent outer foil (3) provided with a printing on its inner face, which inner face is directed to the carrier. In an important embodiment of the invention the cover further comprises an inner foil (2) positioned underneath the outer foil (3) between the outer foil (3) and the carrier (1).



BUTTON.

The invention relates to a button, consisting of a carrier, to which a cover is connected.

Such buttons, which comprise a carrier, that is provided with a cover, are known in several embodiments.

5 An embodiment which is widely applied is the so-called cloth-covered button, wherein the cover consists of textile material. These cloth-covered buttons have the disadvantage, that they are not very resistant to wear. Further, these cloth-covered buttons often look rather monotonous.

It is an object of the present invention to provide a button, which is very wear-resistant and which has much more possibilities of variation in its appearance than the known cloth-covered buttons.

15 For this purpose the button according to the invention is characterized in that the cover comprises a transparent outer foil, provided with a printing on its inner face, which inner face is directed to the carrier.

In this manner wear or damage of the printing is effectively prevented. Furthermore many variations in the appearance of the buttons according to the invention may be realized.

Preferably, the cover further comprises an inner foil positioned underneath the outer foil between the outer foil and the carrier.

In this embodiment wear or damage of the printing is absolutely excluded, as this printing lies between the two foils. Therefore the lifetime of the button is still further increased. Due to the cooperation of the inner foil and the printing on the inner face of the outer foil, many different embodiments may be obtained in an extremely simple manner.

In order to connect the foil or foils to the carrier the foil(s) together with a cap of more rigid material may be beaded onto the carrier.

This cap may consist of brass, tinplate or the like material.

In the case that only the transparent outer foil is applied the printing on the inner face of the transparent outer foil may extend over the whole area of this inner face and may consist of at least one body colour.

5 In an attractive embodiment of the button according to the invention, wherein the transparent outer foil as well as the inner foil are applied, the printing on the inner face of the transparent outer foil contains at least one body colour, which is locally interrupted.

10 In this embodiment the body colour(s) may leave free one or more open spaces, while as an alternative it is also possible that the local interruptions of the body colour(s) are filled in by one or more transparent colours.

A very surprising effect may be obtained when the
15 inner foil is a diffraction-foil.

Excellent results may also be obtained when the inner foil is a holographic foil.

Further, the carrier may be at least partly made of metal.

20 According to the invention it is considered advantageous if the carrier comprises a conical side wall portion against which the beaded edges of the foil(s) and the cap rest, while the rear end of the conical side wall portion joins a cylindrical side wall portion of the carrier.

25 In this latter embodiment the carrier may contain a filler part of artificial material or the like, which filler part is positioned between this carrier and the cap.

The invention will hereafter be elucidated with
30 reference to the drawing, which shows several embodiments of the buttons according to the invention by way of example.

Fig. 1a is an exploded view of the parts of a first embodiment of the button according to the invention.

Fig. 1b shows the button obtained with the
35 parts according to fig. 1a.

Fig. 2a is an exploded view of the parts of a second embodiment of the button according to the invention.

Fig. 2b shows the button obtained with the parts according to fig. 2a.

Fig. 3a is an exploded view of the parts of a third embodiment of the button according to the invention.

Fig. 3b shows the button obtained with the parts according to fig. 3a.

5 The drawing shows several embodiments of buttons according to the invention by way of example. These buttons each consist of a carrier 1, to which a cover is connected consisting of an inner foil 2 and an outer foil 3.

 In general the outer foil 3 is made of trans-
10 parent artificial material, e.g. of polyvinylchloride, so that this foil 3 can excellently resist external influences, such as chemical influences, temperatures or the like.

 The inner foil 2 may also be made of artificial material.

15 The outer foil 3 is provided with a printing on its inner face, i.e. the face directed to the inner foil 2. It is for example possible that the printing on the inner face of this outer foil 3 contains at least one body colour, which is locally interrupted, so that this body colour leaves
20 free one or more open spaces 4, which may be filled in by one or more transparent colours, if desired. When the open space 4 should form one or more letters, these letters are shown on the inner face of the outer foil 3 in reversed shape.

 The inner foil 2 may be a coloured foil, whilst
25 extremely interesting effects are obtained, when a diffraction-foil or a holographic foil is chosen as the inner foil 2.

 During tests excellent results were obtained with a button, wherein the inner foil 2 was a diffraction-
30 foil of metallized, embossed clear polyvinylchloride.

 Both foils 2 and 3, together with a cap 5 of more rigid material, such as brass, tinplate or the like, are simultaneously beaded onto the carrier 1.

 In the embodiment according to figs. 1a and 1b
35 the carrier 1, which may be wholly made of metal, is intended to cooperate with a so-called "nail" 6. In use textile material extends between the carrier 1 and the "nail" 6. This type of button is called a "nail"-button, a patent

button or a bachelor button.

In the embodiment according to figs. 2a and 2b the carrier 1 is again wholly made of metal and is provided with an eye 7. This button is indicated as a sewing-on
5 button.

As shown in particular in figs. 1b and 2b, the carrier 1 comprises a conical side wall portion 8, against which the beaded edges of the two foils 2 and 3 and the cap 5 rest, while the rear end of this conical side wall
10 portion 8 joins a cylindrical side wall portion 9 of the carrier 1. This cylindrical side wall portion 9 especially aims at realizing a fluent joining between the beaded edges of the foils 2, 3 and the cap 5 on the one hand and the carrier 1 on the other hand. In this way a practically flat
15 rear side of the button is obtained.

The button according to figs. 3a and 3b is a so-called press-button. In the embodiment shown the metal carrier 1 contains a filler part 10 of artificial material or the like, which is positioned between the carrier 1,
20 which is provided with the conical side wall portion 8 and the cylindrical side wall portion 9 on the one hand and the cap 5 on the other hand.

A spring means 11 cooperates with a part 12, which is provided with a head, that is clamped between the
25 springs of the spring means 11 in the manner as customary with press-buttons.

Textile material extends between the carrier 1 and the spring means 11, as well as between the part 12 and a part 13, which serves for fixing the part 12.

30 According to the invention a button is obtained, which is wear resistant and which may be manufactured in many different embodiments in an extremely simple manner.

The invention is not restricted to the embodiments shown in the drawing by way of example, which may be varied
35 in several ways within the scope of the invention.

It is for instance possible to delete the inner foil 2, so that the inner face of the outer foil 3 is directly directed to the carrier 1. In that case the printing

on the inner face of the transparent outer foil 3 extends over the whole area of this inner face and consists of at least one body colour. The outer foil 3 together with the cap 5 are beaded onto the carrier 1.

Claims:

1. Button, consisting of a carrier, to which a cover is connected, c h a r a c t e r i z e d in that the cover comprises a transparent outer foil provided with a printing on its inner face, which inner face is directed to
5 the carrier .

2. Button according to claim 1, c h a r a c t e r i z e d in that the cover further comprises an inner foil positioned underneath the outer foil between the outer foil and the carrier.

10 3. Button according to claim 1 or 2, c h a r a c t e r i z e d in that the foil(s) together with a cap of more rigid material are beaded onto the carrier.

4. Button according to claim 3, c h a r a c t e r i z e d in that the cap consists of brass, tinplate
15 or the like material.

5. Button according to claim 1, c h a r a c t e r i z e d in that the printing on the inner face of the transparent outer foil extends over the whole area of this inner face and consists of at least one body colour.

20 6. Button according to claim 2, 3 or 4, c h a r a c t e r i z e d in that the printing on the inner face of the transparent outer foil contains at least one body colour, which is locally interrupted.

7. Button according to claim 6, c h a r a c t e r i z e d in that the body colour(s) leave(s) free one
25 or more open spaces.

8. Button according to claim 6, c h a r a c t e r i z e d in that the local interruptions of the body colour(s) are filled in by one or more transparent colours.

30 9. Button according to any one of claims 2 - 8, c h a r a c t e r i z e d in that the inner foil is a diffraction-foil.

10. Button according to claim 9, c h a r a c t e r i z e d in that the inner foil is a diffraction-foil
35 of metallized, embossed clear polyvinylchloride.

11. Button according to any one of claims 2 - 8, c h a r a c t e r i z e d in that the inner foil is a holo-

graphic foil.

12. Button according to any one of the preceding claims, c h a r a c t e r i z e d in that the outer foil is an artificial foil.

5 13. Button according to any one of claims 2 - 12, c h a r a c t e r i z e d in that the inner foil is an artificial foil.

14. Button according to any one of the preceding claims, c h a r a c t e r i z e d in that the carrier is
10 at least partly made of metal.

15. Button according to claims 3 - 14, c h a -
r a c t e r i z e d in that the carrier comprises a co-
nical side wall portion against which the beaded edges of
the foil(s) and the cap rest, while the rear end of the
15 conical side wall portion joins a cylindrical side wall
portion of the carrier.

16. Button according to claim 15, c h a r a c -
t e r i z e d in that the carrier contains a filler part
of artificial material or the like, which filler part is
20 positioned between this carrier and the cap.

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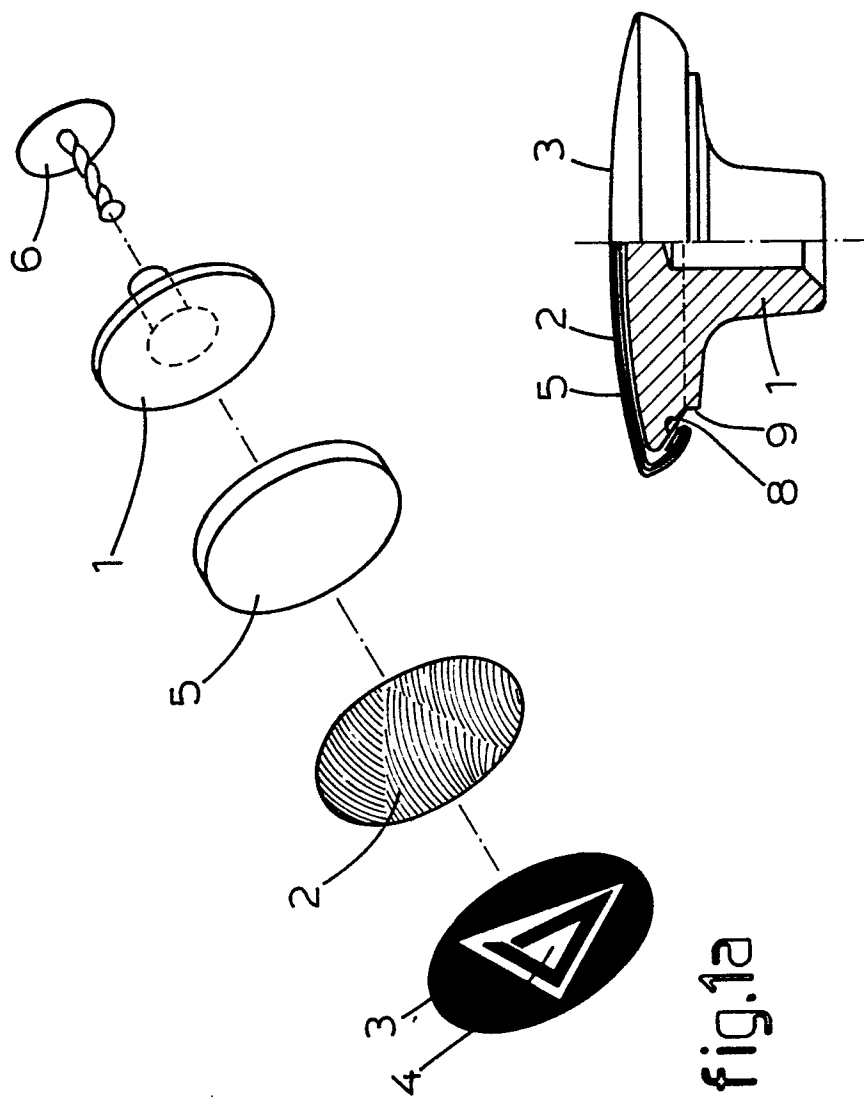
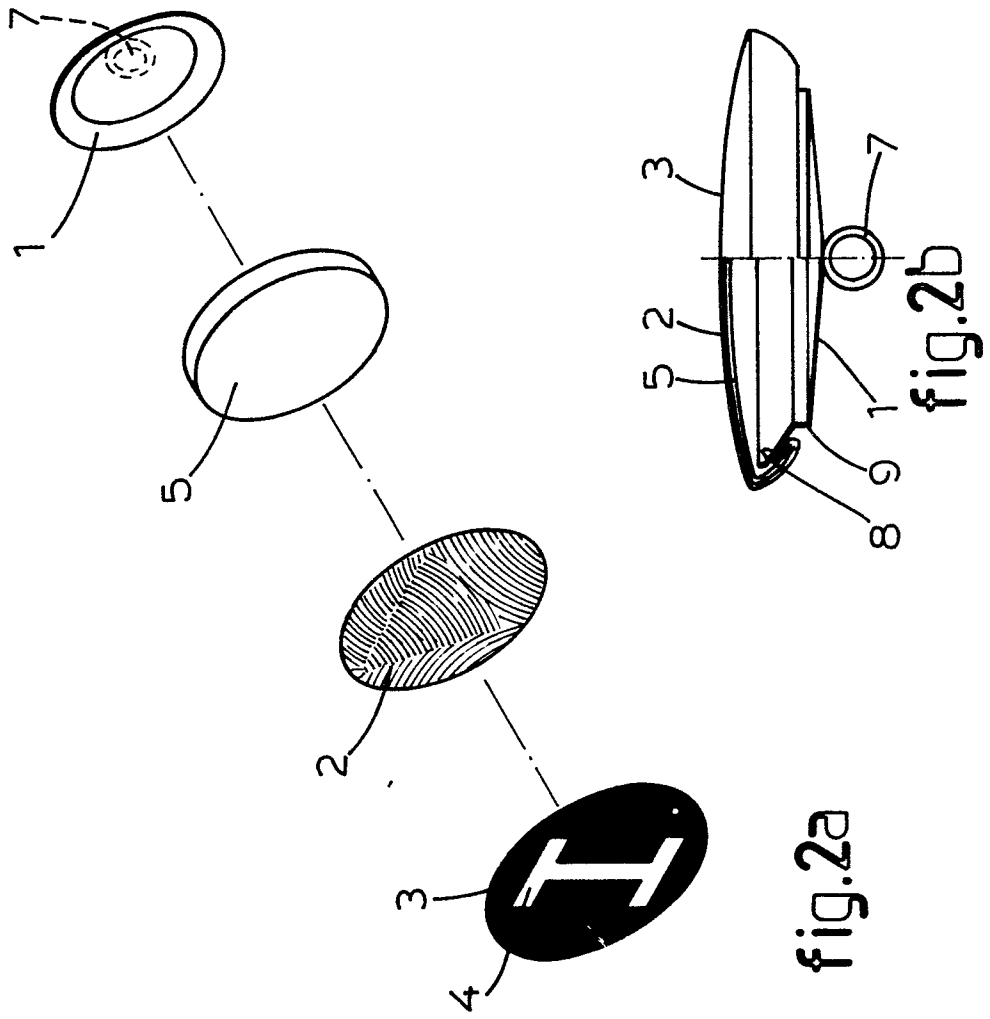


fig.1a

fig.1b



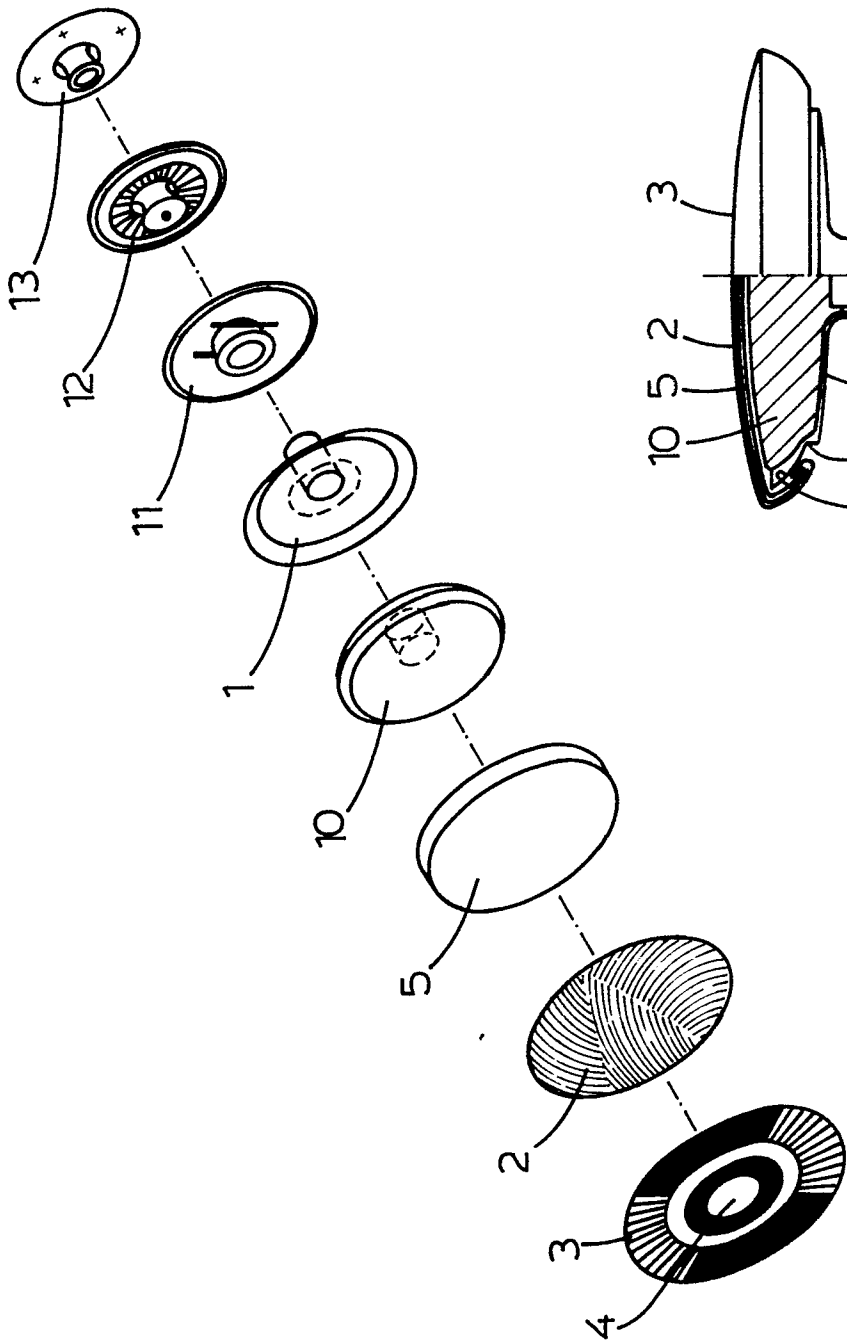


fig.3a

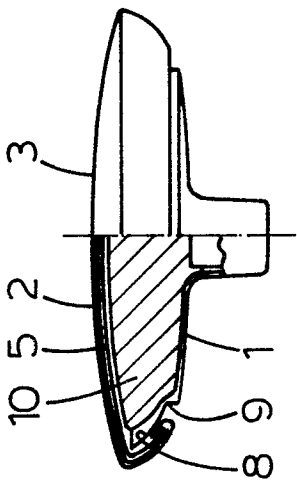


fig.3b



European Patent
Office

EUROPEAN SEARCH REPORT

0159732

Application number

EP 85 20 0367

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
Y	AU-A- 428 765 (A.S.PARKES & CO.) * Page 2, paragraph 1; page 3, paragraphs 1-3 and page 4, entirely; figures *	1	A 44 B 1/04 A 44 B 1/06
A	---	2,3	
Y	FR-A-2 380 879 (STAUFFER CHEMICAL CO.) * Page 1, last paragraph; page 2, lines 1-21; page 3, lines 28-39 *	1	
A	FR-A-1 038 451 (WALDES ET CIE) * Page 1, column 1, paragraphs 2,4 and last one; column 2, paragraphs 1,4; page 2, column 1, paragraph 1; figures *	1-4	
A	US-A-4 386 123 (J.W.COURN) * Column 1, lines 7-10; column 3, lines 30-68; figures 1,2 *	9,10	A 44 B A 44 C B 44 C
A	GB-A-1 300 580 (W.V.MERCER) -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10-07-1985	Examiner GARNIER F.M.A.C.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			