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tached to a top of the base and including at least one receptacle and a groove on a front end of a bottom wherein the flap is configured to insert into the groove; and a through hole disposed through the base and the receptacle.



## Description

### BACKGROUND OF THE INVENTION

#### 1. Field of the Invention

**[0001]** The invention relates cosmetic containers and more particularly to a paper container for cosmetic products by providing a through hole through a base so that a cosmetic box may be releasably disposed in the receptacle, and the paper container being adapted to reuse or recycle for environmental protection purposes.

#### 2. Description of Related Art

**[0002]** For decreasing pollution to the environment, some manufactures have change the material of making cosmetic containers from plastic to paper. In a conventional paper container for cosmetic products, a magnet is provided on each of a cover and a receptacle. Thus, the container can be securely closed due to magnetic attraction when one magnet is attached to the other magnet.

**[0003]** However, the container is provided with the magnets which are required to be classified when the container is recycled. This is no good to environmental protection.

**[0004]** Thus, the need for improvement still exists.

### SUMMARY OF THE INVENTION

**[0005]** It is therefore one object of the invention to provide a paper container for cosmetic products comprising a casing made of cardboard and including a cover, a base, and an intermediate section hingedly interconnected to the cover and the base; a flap made of paper and being partially attached to an inner surface of the cover; a receiving member made of cardboard attached to a top of the base and including at least one receptacle and a groove on a front end of a bottom wherein the flap is configured to insert into the groove; and a through hole disposed through the base and the receptacle.

**[0006]** The invention has the following advantages and benefits in comparison with the conventional art: It is recyclable due to its paper material.

**[0007]** After inserting a hinged front portion of the flap into the groove of the receiving member, an intermediate portion of the flap engages a front end of the receiving member and a hinged tab of the flap urges against a top of a front end of the base of the casing, thereby securely closing the receiving member. Therefore, closing of the paper container is made easy. Further, opening of the closed paper container is made easy by pulling the hinged tab of the flap.

**[0008]** A cosmetic box can be releasably disposed in the receptacle. An individual may insert his or her finger through the through hole to push the cosmetic box out of the receptacle for use. After use, the individual may

place another cosmetic box in the receptacle again. The cosmetic container can be reused or recycled for environmental protection purposes.

**[0009]** The above and other objects, features and advantages of the invention will become apparent from the following detailed description taken with the accompanying drawings.

### BRIEF DESCRIPTION OF THE DRAWINGS

#### **[0010]**

FIG. 1 is a perspective view of a paper container for cosmetic products according to a first preferred embodiment of the invention, the paper container being open;

FIG. 2 is an exploded view of the paper container;

FIG. 3 is a perspective view of the paper container in a closed position;

FIG. 4 is another perspective view of FIG. 3, viewed from the bottom;

FIG. 5 is a front view of FIG. 3;

FIG. 6 is a sectional view taken along line 6-6 of FIG. 5;

FIG. 7 is a perspective view of a paper container for cosmetic products according to a second preferred embodiment of the invention, the paper container being open; and

FIG. 8 is a perspective with of the paper container according to the first preferred embodiment of the invention, the paper container being open and a cosmetic box being disposed in the receptacle.

### DETAILED DESCRIPTION OF THE INVENTION

**[0011]** Referring to FIGS. 1 and 2, a paper container for cosmetic products (hereinafter "cosmetic container") in accordance with a first preferred embodiment of the invention comprises a casing 10 made of cardboard and including a cover 101, a base 103, and an intermediate section 102 hingedly interconnected to the cover 101 and the base 103; a flap 12 made of paper and being partially attached to an inner surface of the cover 101; a sheet of paper 14 attached to an inner surface of the casing 10 to cover from a front end of an inner surface of the base 103 to a joining portion of the flap 12 and the cover 101; a receiving member 16 made of cardboard and attached to a portion of a top of the sheet of paper 14 directly above the base 103, the receiving member 16 including a receptacle 161 and a groove 162 on a front end of a bottom for allowing a hinged front portion 121 of the flap 12 to insert into; and a through hole 18 through the base 103, the sheet of paper 14, and the receptacle 161.

**[0012]** It is envisaged by the invention that the cosmetic container is completely made of paper without a mirror and magnets. Closing of the cosmetic container (i.e., firmly joining the cover 101 and the remaining parts of the cosmetic container together) is implemented by in-

serting the hinged front portion 121 of the flap 12 into the groove 162. In short, the cosmetic container is environmentally friendly.

**[0013]** The receptacle 161 may be oval or multisided other than being circular as shown in FIG. 1.

**[0014]** As shown in FIG. 2 specifically, the flap 12 includes a joining portion 123 having one surface attached to the cover 101 and the other surface attached to the sheet of paper 14, the hinged front portion 121 configured to insert into the groove 162, and an intermediate portion 122 hingedly interconnected to the joining portion 123 and the hinged front portion 121

**[0015]** Referring to FIGS. 3 and 4 in conjunction with FIG. 2, the flap 12 further comprises a hinged tab 124 in an intermediate portion of a joining edge of the hinged front portion 121 and the intermediate portion 122. Therefore, after inserting the hinged front portion 121 into the groove 162, the receiving member 16 is securely closed by the cover 101. An individual can easily open the closed cosmetic container by pulling the hinged tab 124.

**[0016]** Referring to FIGS. 5 and 6 in conjunction with FIG. 2, it is clear that the through hole 18 passes through the base 103, the sheet of paper 14 and the receptacle 161. After inserting the hinged front portion 121 into the groove 162, the intermediate portion 122 engages a front end of the receiving member 16 and the hinged tab 124 urges against a top of a front end of the base 103. As a result, the receiving member 16 is securely closed by the cover 101.

**[0017]** Referring to FIG. 7, the receiving member 16 is included in a paper container for cosmetic products (hereinafter "cosmetic container") in accordance with a second preferred embodiment of the invention is shown. The characteristics of the second preferred embodiment are substantially the same as that of the first preferred embodiment except the following: the receiving member 16 comprises a plurality of receptacles 161, and a plurality of through holes 18 through the base 103. The receptacles 161 are aligned with and communicate with the through holes 18 respectively.

**[0018]** Referring to FIG. 8 in conjunction with FIG. 2, a cosmetic box 20 is releasably disposed in the receptacle 161. The cosmetic box 20 is made of metal or plastic and filled with foundation, cosmetic powder, or blush. An individual may insert his or her finger through the through hole 18 to push the cosmetic box 20 out of the receptacle 161 for use. After use, the individual may place another cosmetic box 20 in the receptacle 161 again. That is, the cosmetic container can be reused. Further, the cosmetic container can be recycled for environmental protection purposes.

**[0019]** While the invention has been described in terms of preferred embodiments, those skilled in the art will recognize that the invention can be practiced with modifications within the spirit and scope of the appended claims.

## Claims

1. A paper container for cosmetic products, comprising:

5 a casing made of cardboard and including a cover, a base, and an intermediate section hingedly interconnected to the cover and the base;  
a flap made of paper and being partially attached to an inner surface of the cover;  
10 a receiving member made of cardboard attached to a top of the base and including at least one receptacle and a groove on a front end of a bottom wherein the flap is configured to insert into the groove; and  
15 a through hole disposed through the base and the receptacle.

2. The paper container of claim 1, further comprising a sheet of paper attached to an inner surface of the casing to cover from a front end of an inner surface of the base to a joining portion of the flap and the cover, wherein the through hole disposes through the sheet of paper.

25 3. The paper container of claim 2, wherein the flap includes a joining portion having one surface attached to the cover and the other surface attached to the sheet of paper, a hinged front portion, and an intermediate portion hingedly interconnected to the joining portion and the hinged front portion.

30 4. The paper container of claim 3, wherein the flap further comprises a hinged tab in a joining edge of the hinged front portion and the intermediate portion, and wherein after inserting the hinged front portion into the groove, the hinged tab urges against a top of a front end of the base.

35 5. The paper container of claim 1, wherein the receptacle is configured to receive a cosmetic box.

40 6. The paper container of claim 1, wherein the receptacle is circular, oval or multisided.

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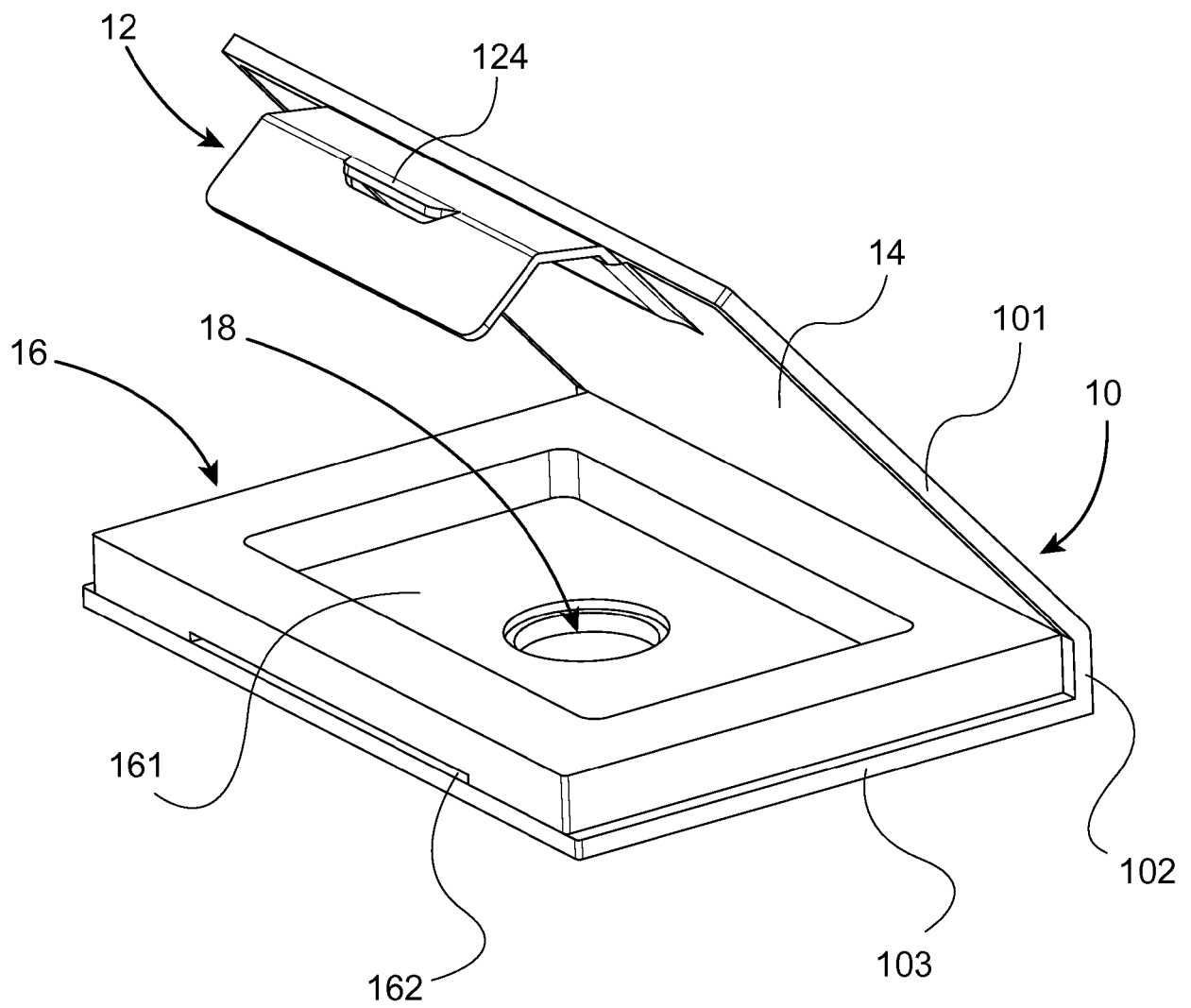


FIG. 1

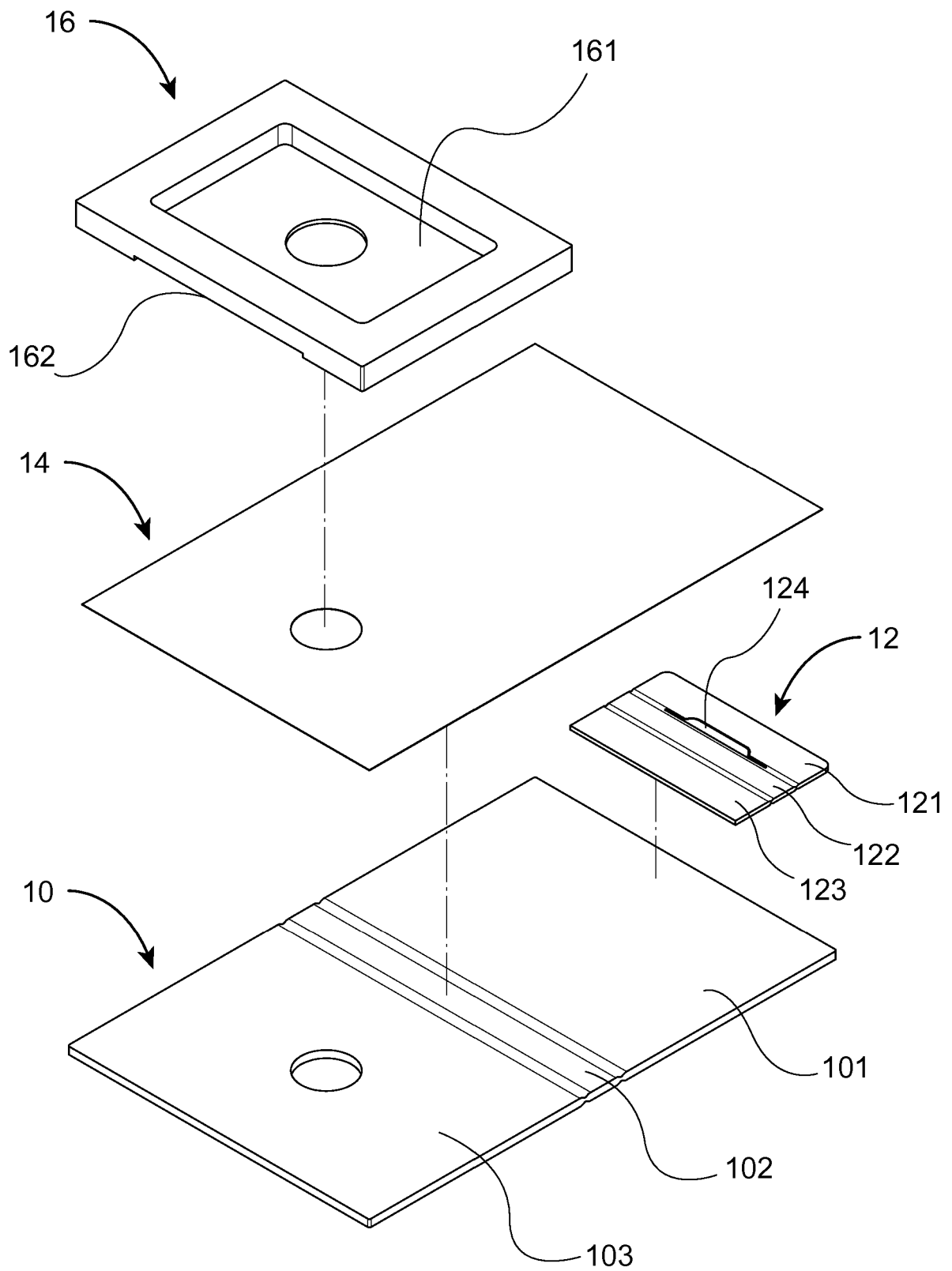


FIG. 2

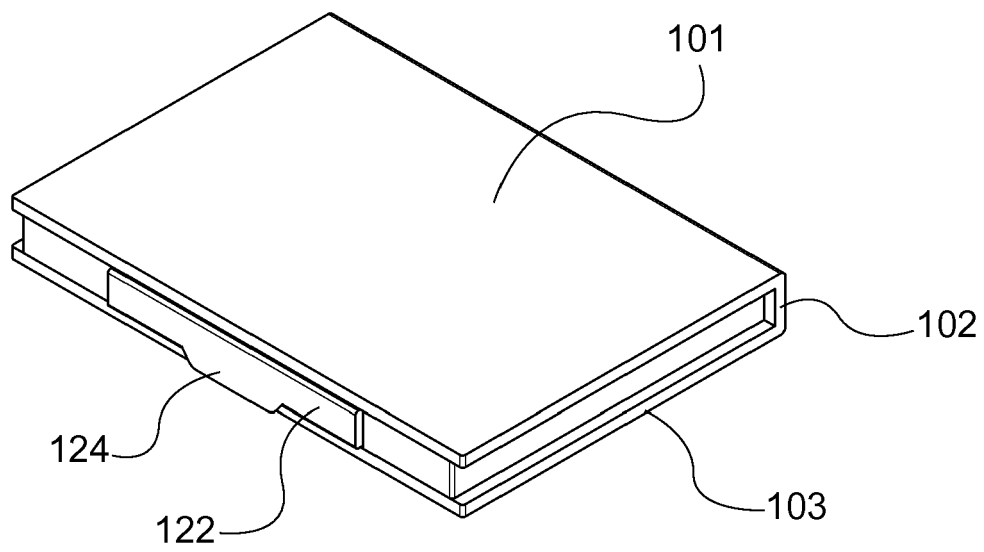


FIG. 3

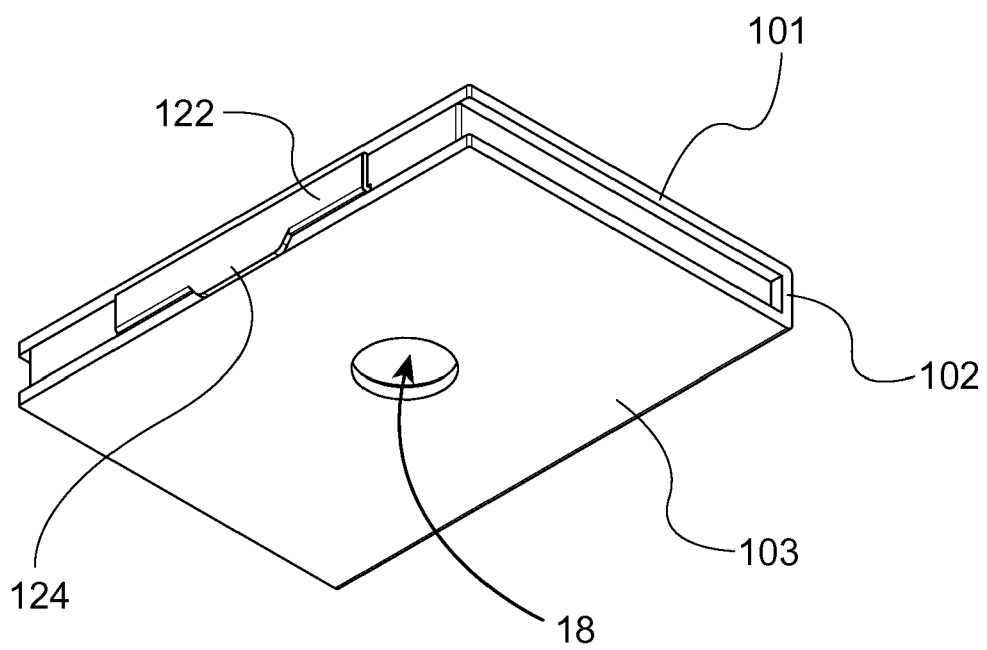


FIG. 4

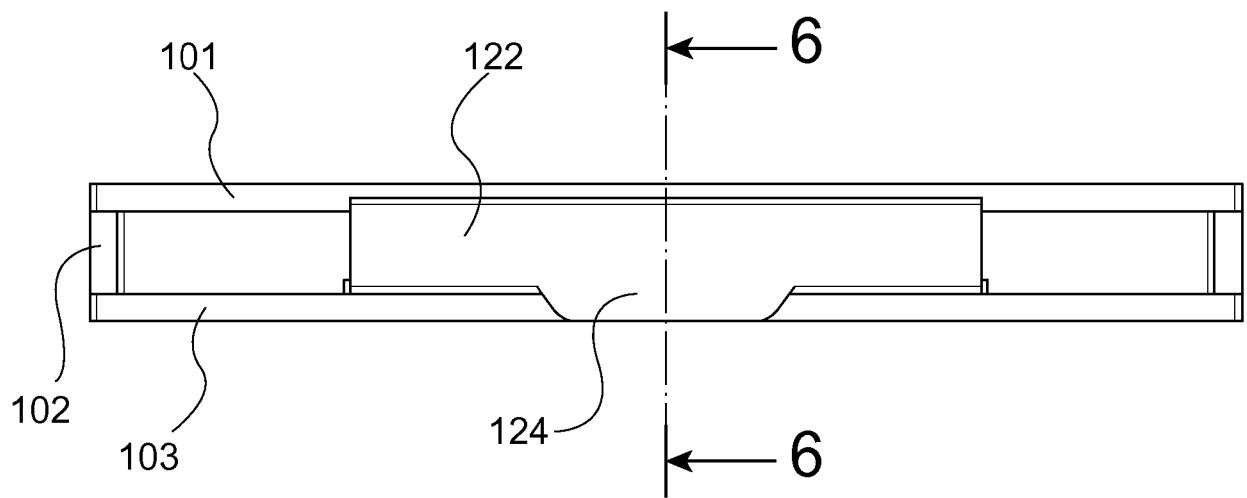


FIG. 5

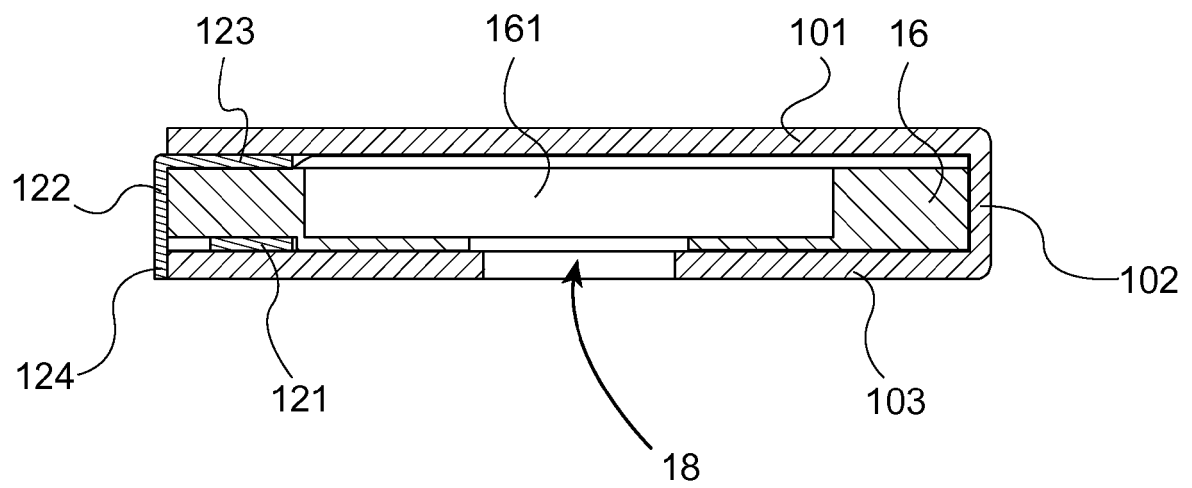


FIG. 6

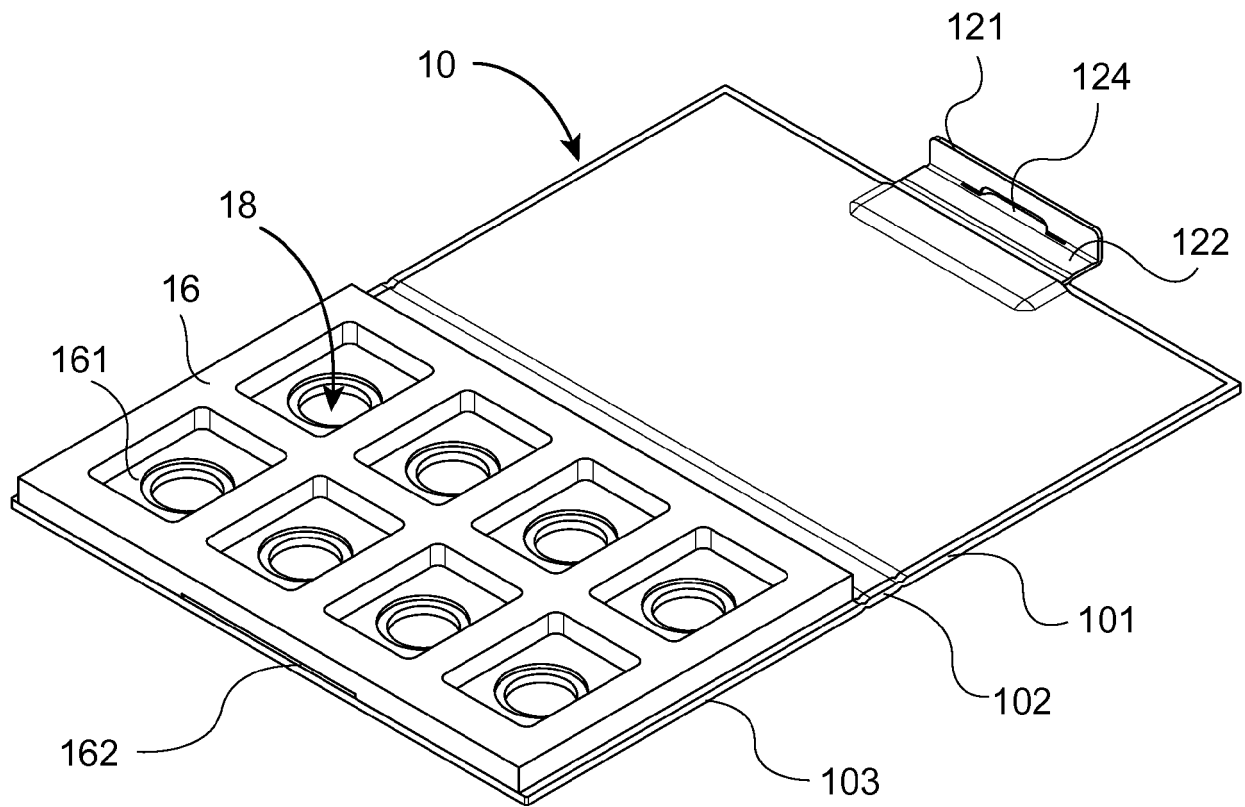


FIG. 7



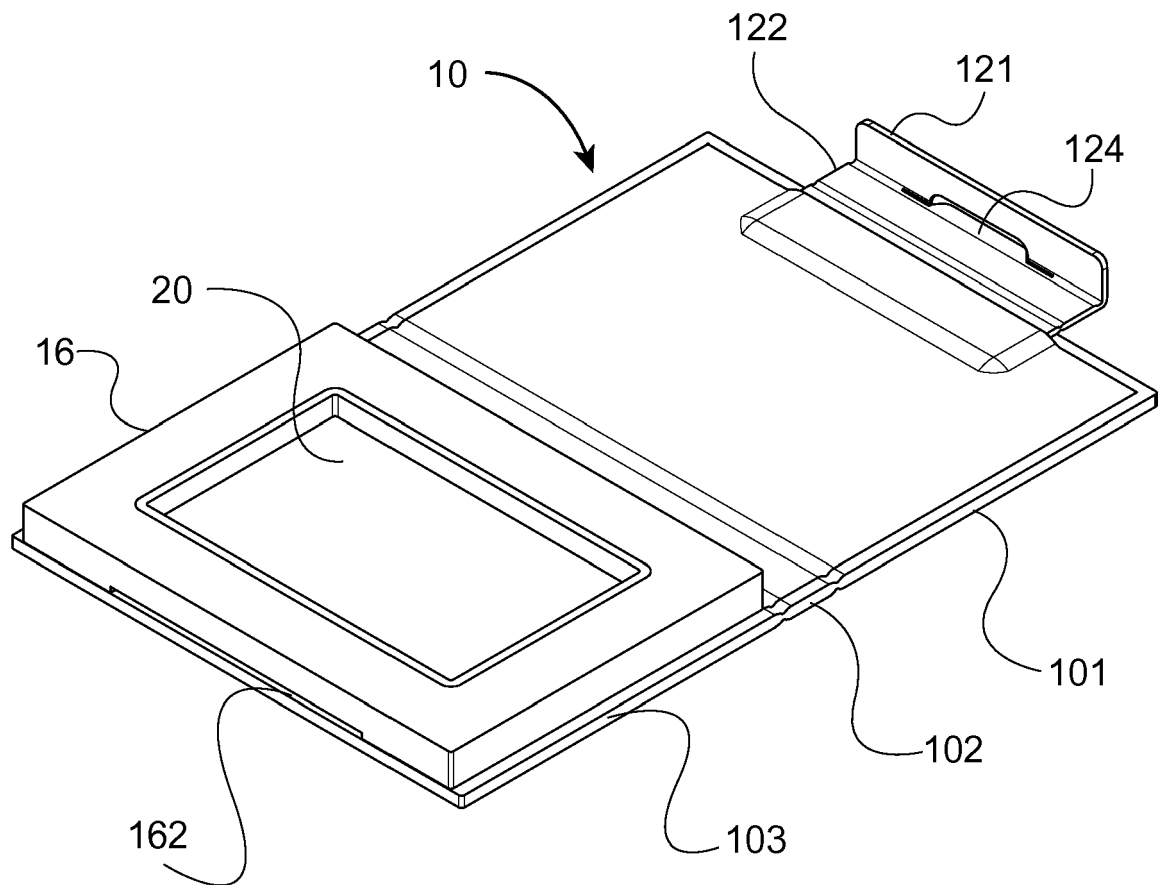


FIG. 8



## EUROPEAN SEARCH REPORT

Application Number  
EP 19 19 7302

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	US 5 407 076 A (SABET EDMOND [US]) 18 April 1995 (1995-04-18) * column 3, line 10 - column 6, line 24; figures 1-3 *	1-6	INV. A45D40/00 A45D40/22 B65D5/50 B65D5/66
A	GB 2 240 323 A (MAYVA LIMITED [GB]) 31 July 1991 (1991-07-31) * page 7, line 20 - page 12, line 31; figures 1-4 *	1	
			TECHNICAL FIELDS SEARCHED (IPC)
			A45D B65D A45F
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 20 January 2020	Examiner Lehe, Jörn
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	

EPO FORM 1503 03/82 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.

EP 19 19 7302

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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20-01-2020

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US 5407076	A	18-04-1995	NONE
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GB 2240323	A	31-07-1991	NONE
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82