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(54) **MAKE-UP PRODUCT**

SCHMINKPRODUKT

PRODUIT DE MAQUILLAGE

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(56) References cited:
**EP-A1- 1 374 718 EP-A1- 3 210 590
US-A- 5 024 325 US-A- 5 636 569
US-A1- 2006 090 659 US-A1- 2010 065 576**

EP 3 219 225 B1

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Description**FIELD OF THE INVENTION**

[0001] The present invention relates to a make-up product.

[0002] In particular, it relates to a multi-colour make-up product for the face, eyes, lips, cheeks, etc. such as a foundation, primer, eye shadow, lipstick, lip gloss, blush, mascara, eyeliner, etc.

PRIOR ART

[0003] As known, some cosmetic products for make-up are marketed in the form of fluid, liquid or semi-liquid products. The use in that form is rather inconvenient as it is difficult to take the product and apply it without waste.

[0004] For some time, in order to improve usability and ease of use, these products have been marketed in containers that house a sponge soaked with the relative make-up product.

[0005] The use of the sponge makes the operation of taking the fluid product much easier and can minimise waste associated with the make-up operation.

[0006] US 2010/065576 discloses a device for retaining and dispensing porous absorbent pads and US 5 024 325 discloses a dispensing package for dispensing discrete portions of vaporizable material in the form of prewetted absorbent pads.

SUMMARY OF THE INVENTION

[0007] The object of the present invention is to provide a make-up product which is improved compared to the prior art, by providing at least two distinct fluids make-up products within the same container.

[0008] This and other objects are achieved by a make-up product according to the technical teachings of the appended claims.

BRIEF DESCRIPTION OF THE FIGURES

[0009] Further features and advantages of the invention will become apparent from the description of a preferred but non-exclusive embodiment of the device, shown by way of a nonlimiting example in the accompanying drawings, in which:

figure 1 is a perspective view of a make-up product according to the present invention;

figure 2 is a simplified longitudinal sectional view of the make-up product of claim 1;

figure 3 is a simplified plan view of the make-up product in figure 1;

figure 4 is an enlargement of the portion enclosed in

the circle in figure 2; and

figure 5 shows a detail of a different embodiment of the present invention.

DETAILED DESCRIPTION OF THE INVENTION

[0010] With reference to the above figures, a make-up product is shown, globally denoted by reference numeral 1.

[0011] The make-up product 1 according to the present invention comprises a container provided with a base 2, usually made of plastic material or other materials suitable for the purpose, to which a cover 5 is associated. Advantageously, cover 5 can be hinged at the base so that, by opening the latter, the products present on base 2 or therein may be accessed.

[0012] Of course, cover 5 may be associated to the base in a different manner and for example, may be slidable with respect to the latter or hinged so as to rotate along an axis perpendicular thereto.

[0013] Depending on the type of make-up fluids housed by base 2, the cover may be provided or not with seals that isolate the interior of the container from the outside environment and preserve the cosmetic product.

[0014] The base is constrained to at least a first 3 and a second 4 make-up element through appropriate constraining means 8 (fig. 4). As seen in figure 1, a third make-up element 5 is also provided, totally similar to the first two. In the configuration shown, the constraining means 8 may comprise simple adhesive for cosmetic use, but they may also be of different types depending on the needs.

[0015] The first make-up element 3 comprises a first sponge 3A soaked with a first make-up fluid 3B. Also the second make-up element 4 comprises a second sponge 4A soaked with a second make-up fluid 4B, which is however different from the first one. The same applies to the third make-up element 5, which provides a third sponge 5A also soaked in a third make-up fluid 5B, which may be different from the first two.

- The formula with which the make-up fluid 3B, 4B is made has a low dynamic viscosity, such as between 1000 and 10,000 cPs. It is designed not to create differences in the amount of product contained in the sponge and in particular for: preventing colour variations within and along the surface of the sponge,
- facilitating the absorption in the sponge,
- being optimally retained by the sponge which, if handled or moved, should not release product outside.

[0016] The formula of the make-up fluid can meet the performance standards of the specific cosmetic product for make-up and for example must minimise migration if it is a lipstick, must minimise unevenness if it is a foundation, must minimise the formation of lines and migrations if it is an eye shadow, etc.

[0017] The formula of the make-up fluid 3B, 4B may need or not of an air-tight container and therefore may comprise or not some substances known in the cosmetic field as "volatile".

[0018] Possible examples of formulation of make-up fluid 3B, 4B are those shown below:

Example 1 of (anhydrous) mixture which may comprise:

[0019]

- a) Anhydrous phase 75-90% (comprising film forming polymers 0-10%, rheological additives 30-50%, preferably 30-40%, emollient oils 30-50%, volatile solvents from 0 to 30%, pure pigments 0-10%).
- b) Texturising agents 5- 10%

Example of (aqueous) mixture 2 which may comprise:

[0020]

- a) Aqueous phase 50-90% (water 50-90%; wetting agents 1-5%; rheological additives 0.1-2%)
- b) Pure pigments and/or beads 0-30%, preferably 1-20%
- c) Emollient oils 1- 20%
- d) Solubilising agents 0.01- 10%

[0021] As can be seen, at least the first 3 and the second 4 make-up element are mutually alongside on base 2; in particular, the second make-up element is arranged between the first 3 and the third 5 make-up element.

[0022] From the analysis of figure 2 but even better from the analysis of figure 4, it is seen that at least the first sponge 3A and the second sponge 4A have at least one mutual contact side 7, in rest configuration or at least when one of them is subjected to a pressure in an area adjacent to the contact side 7.

[0023] At least one sponge at at least said contact side 7, has a coating 6 intended to obstruct the migration of the fluid astride said contact side 7.

[0024] Coating 6 is particularly important in cosmetics, since the migration of a make-up fluid present on a sponge to the adjacent sponge, impregnated with a make-up fluid different even in one characteristic only (such as the colour) must be prevented or minimised.

[0025] A particularly advantageous configuration is clearly visible in figure 4, where each of the sponges 3A, 4A has its own coating 6 at said contact side 7.

[0026] As an example, coating 6 may consist of a layer of insulating polymeric and non-polymeric resins, or of insulating filming polymers applied, for example by brush, spray, by partial dipping, by contact or other suitable method, on one or more sides (even on all sides) of the sponge or sponges.

[0027] The coating may also be made of a transparent or non-transparent polymeric elastomer film, or of an insulating plastic material, for example glued or con-

strained in another suitable manner to the sponge. A technique that can be used can be the one known as in-moulding, wherein the film is applied to the intended mould before forming the sponge; the film attaches to the sponge during the expansion step of the synthetic resin with which the sponge itself is produced.

[0028] The coating may also simply consist of an area or part of the sponge with different physical characteristics than other areas of the same (such as a smaller or no porosity, or a different density).

[0029] Coating 6 may also be formed by a surface treatment of the vulcanisation type made directly on the sponge(s), or outer coating with insulating nano-particles.

[0030] As already mentioned above, the make-up elements may be stably fixed to base 2 or removable constraining means 8 may be provided, thus allowing to remove and replace at least one of the make-up elements 3, 4 into position for impregnating again the sponge with the relative make-up fluid.

[0031] The removable means 8 may for example be of plastic material, snapping, directly associated to a portion of the sponge, or they may simply provide interference joints with suitably shaped portions of the base, or associated with it.

[0032] Advantageously, the sponge(s) is/are synthetic and can be made for example of: urethane or polyurethane resin; open-cell and partly closed foamed polyurethane resins; closed cell foamed polyethylene resins; as a "mousse", also known as foamed synthetic rubbers or elastomeric foams.

[0033] Particularly suitable for the present application are sponges of open cell polyurethane foam with a density ranging from 60 to 90 kg/m², preferably of 75 kg/m² $\pm$ 5%, and with a resistance to compression at 40%, ranging from 13,5 to 17 kPa, preferably equal to 14 $\pm$ 5% (ISO 3386 standard).

[0034] According to a possible variant, at least one of the make-up elements comprises a bottom 9 inside of which the relative sponge is partially housed. In this case, the constraining means 8, which may be of the types described above, may be provided between bottom 9 and base 2 itself.

[0035] As is seen in figure 5, the height of the edge of the bottom(s) 9 is lower than the height of the sponge housed therein.

[0036] The embodiment described above is provided with only three make-up elements, but of course a desired number thereof may be provided, also depending on the type of make-up product to be implemented. All the make-up elements will be substantially similar to those described above.

[0037] To use the make-up product 1, a user may at first remove the cover 5. In this condition a dispensing surface (the upper surface in fig.2) of the make-up elements 3,4 fixed to the base 2 is made directly accessible to the user. It is to be noted that during the normal use of the make-up product, i.e. when used during a make-

up procedure, the make-up elements are stably fixed to the base. The make-up elements, as described above in some embodiments, may be removed from the base only for maintenance reasons or to refill them with other make-up fluid.

[0038] In particular, during the use, the dispensing surfaces of the make-up elements (that when the cover is in position, are facing the cover) may be accessed by the user while remaining fixed to the base.

[0039] In this condition the user may put a finger (or an applicator) on the dispensing surface of the make-up element of the desired colour (or with the desired make-up fluid).

[0040] At the same time, the base can be held with a hand in order to stabilize it, or may be lied on a surface that supports and stabilizes it. For this reason, the base is rigid. This means that the base is built with a rigid material. In this contest a rigid material may be metal or plastic, of the type usually employed for casings of make-up products. In particular, that kind of rigid materials should maintain their shape when firmly grasped by an operator using the make-up product.

[0041] The pressure of the finger (or of the applicator) squeezes the sponge thereby dispensing a needed quantity of make-up fluid that may then be used to perform make-up procedure.

[0042] It is noted that all the percentages given in the present description are to be understood by weight. The other measurements are instead carried out at 25 degrees centigrade.

[0043] Various embodiments of the invention have been described but others may be conceived using the same innovative concept.

Claims

1. Make-up product (1), comprising a rigid base (2) to which a cover (5) is associated and at least a first (3) and a second make-up element (4) constrained to the base (2) by constraining means (8), the first make-up element (3) comprising a first sponge (3A) soaked with a first make-up fluid (3B), the second make-up element (4) comprising a second sponge (4A) soaked with a second make-up fluid (4B) different from the first make-up fluid (3B), the first (3) and the second make-up element (4) being mutually arranged side by side on said base (2), the first and second make-up element (3,4), during the use, being fixed to the base with a dispensing surface facing the cover (5) so that, upon removal of the cover (5), a user can withdraw a part of the make-up fluid by pressing a dispensing surface of the make-up elements (3,4) while the make-up elements (3,4) are on the rigid base (2), the first sponge (3A) and the second sponge (4A) having at least one common contact side (7) at least when one of them is subjected to a pressure in an

area adjacent to the contact side, wherein at least one sponge (3A, 4A), at at least said contact side (7), has a coating (6) intended for obstructing the migration of the fluid astride said contact side (7).

2. Make-up product (1) according to the previous claim wherein each of the sponges (3,4) has said coating (6) at said contact side (7).
3. Make-up product (1) according to one or more of the previous claims wherein said coating (6) is formed by a layer of polymeric and/or non polymeric insulating resins, and/or insulating film-forming polymers preferably applied by brush and/or by spraying and/or by partial dipping and/or by contact on said sponge and/or wherein said coating is formed by a film of transparent or non transparent polymeric elastomers and/or of insulating plastic material, firmly constrained to the sponge, and/or wherein said coating is formed by a surface treatment of the vulcanization type and/or by nano-particles, and/or wherein said coating is formed by a part of the sponge provided with physical characteristics different from other areas of the same.
4. Make-up product (1) according to one or more of the previous claims, wherein at least one of said constraining means (8) is removable, thus allowing to remove and replace at least one of the make-up elements (3,4), for impregnating again the sponge (3A, 4A) with the relative make-up fluid (3B, 4B).
5. Make-up product (1) according to one or more of the previous claims, wherein at least one of the make-up elements comprises a bottom (9) inside of which the relative sponge is at least partially housed.
6. Make-up product (1) according to the previous claim wherein the height of an edge of said bottom (9) is lower than the height of the sponge housed therein.
7. Make-up product according to one or more of the previous claims, wherein said sponge is of the synthetic type and has a density ranging from 60 to 90 kg/m², preferably of 75 kg/m² $\pm$ 5%, and/or with a resistance to compression at 40%, ranging from 13,5 to 17 kPa, preferably equal to 14 $\pm$ 5%.
8. Make-up product (1) according to one or more of the previous claims wherein said make-up fluid has a dynamic viscosity ranging from 1000 to 10.000 cPs.

Patentansprüche

1. Schminkeprodukt (1), umfassend eine starre Basis (2), die mit einer Abdeckung (5) verbunden ist, und

wenigstens ein erstes (3) und zweites Schminkelement (4), die von der Basis (2) durch Begrenzungsmittel (8) begrenzt werden, wobei das erste Schminkelement (3) einen ersten Schwamm (3A) umfasst, der mit einer ersten Schminkflüssigkeit (3B) getränkt ist, das zweite Schminkelement (4) einen zweiten Schwamm (4A) umfasst, der mit einer zweiten Schminkflüssigkeit (4B) getränkt ist, das sich von der ersten Schminkflüssigkeit (3B) unterscheidet, wobei das erste (3) und das zweite Schminkelement (4) nebeneinander und zueinander auf der Basis (2) angeordnet sind, wobei das erste und das zweite Schminkelement (3, 4) während der Benutzung mit einer dispensierenden Oberfläche, die auf die Abdeckung (5) zeigt, an der Basis befestigt sind, so dass bei Entfernung der Abdeckung (5) ein Benutzer einen Teil der Schminkflüssigkeit durch Drücken der dispensierenden Oberfläche der Schminkelemente (3, 4) entnehmen kann, während sich die Schminkelemente (3, 4) auf der starren Basis (2) befinden, wobei der erste Schwamm (3A) und der zweite Schwamm (4A) wenigstens eine gemeinsame Kontaktfläche (7) aufweisen, zumindest wenn einer von ihnen einem Druck in einem Bereich ausgesetzt ist, der an der Kontaktfläche anliegt, wobei wenigstens ein Schwamm (3A, 4A) auf wenigstens einer Kontaktfläche (7) eine Beschichtung (6) aufweist, die für das Aufhalten des Abfließens der Flüssigkeit rittlings von der Kontaktfläche (7) konzipiert ist.

2. Schminkprodukt (1) nach dem vorhergehenden Anspruch, wobei jeder der Schwämme (3, 4) die Beschichtung (6) auf der Kontaktfläche (7) aufweist.
3. Schminkprodukt (1) nach einem oder mehreren der vorhergehenden Ansprüche, wobei die Beschichtung (6) von einer Schicht aus polymeren und/oder nicht polymeren isolierenden Harzen und/oder filmbildenden Polymeren gebildet wird, die vorzugsweise per Pinsel und/oder durch Aufsprühen und/oder durch teilweises Eintauchen und/oder durch Kontakt auf dem Schwamm aufgetragen wird und/oder wobei die Beschichtung von einem Film von transparenten oder nicht transparenten Polymerelastomeren und/oder von isolierendem Plastikmaterial, das fest auf dem Schwamm verankert ist, gebildet wird und/oder wobei die Beschichtung durch eine Oberflächenbehandlung nach Art der Vulkanisierung und/oder durch Nanopartikel gebildet wird und/oder wobei die Beschichtung von einem Teil des Schwamms gebildet wird, der mit physischen Charakteristiken versehen ist, die sich von seinen anderen Bereichen unterscheiden.
4. Schminkprodukt (1) nach einem oder mehreren der vorhergehenden Ansprüche, wobei wenigstens eines der Begrenzungsmittel (8) abnehmbar ist, was

das Entfernen und Ersetzen von wenigstens einem der Schminkelemente (3, 4) ermöglicht, um den Schwamm (3A, 4A) mit der entsprechenden Schminkflüssigkeit (3B, 4B) zu imprägnieren.

5. Schminkprodukt (1) nach einem oder mehreren der vorhergehenden Ansprüche, wobei wenigstens eines der Schminkelemente ein Unterteil (9) umfasst, in welchem der entsprechende Schwamm wenigstens teilweise aufgenommen wird.
6. Schminkprodukt (1) nach dem vorhergehenden Anspruch, wobei die Höhe einer Kante des Unterteils (9) niedriger ist als die Höhe des darin aufgenommenen Schwamms.
7. Schminkprodukt nach einem oder mehreren der vorhergehenden Ansprüche, wobei der Schwamm von synthetischer Art ist und eine Dichte von 60 bis 90 kg/m², vorzugsweise 75 kg/m² $\pm$ 5 %, aufweist, und/oder mit einer Druckfestigkeit von 40 % im Bereich zwischen 13,5 und 17 kPa, vorzugsweise gleich 14 $\pm$ 5 %.
8. Schminkprodukt (1) nach einem oder mehreren der vorhergehenden Ansprüche, wobei die Schminkflüssigkeit eine dynamische Viskosität zwischen 1000 bis 10.000 cPs aufweist.

Revendications

1. Produit de maquillage (1), comprenant une base rigide (2) sur laquelle un couvercle (5) est associé et au moins un premier (3) et un deuxième éléments de maquillage (4) mis en contrainte sur la base (2) par des moyens de contrainte (8), le premier élément de maquillage (3) comprenant une première éponge (3A) imbibée d'un premier fluide de maquillage (3B), le deuxième élément de maquillage (4) comprenant une deuxième éponge (4A) imbibée d'un deuxième fluide de maquillage (4B) différent du premier fluide de maquillage (3B), le premier (3) et le deuxième éléments de maquillage (4) étant agencés mutuellement côte à côte sur ladite base (2), le premier et le deuxième éléments de maquillage (3, 4), pendant l'utilisation, étant fixés à la base avec une surface de distribution orientée vers le couvercle (5) de manière à ce que, au retrait du couvercle (5), un utilisateur puisse extraire une partie du fluide de maquillage en pressant une surface de distribution des éléments de maquillage (3, 4) tandis que les éléments de maquillage (3, 4) sont sur la base rigide (2), la première éponge (3A) et la deuxième éponge (4A) ayant au moins un côté de contact commun (7) au moins quand l'une d'entre elles est soumise à une pression dans une zone adjacente au côté de contact,

dans lequel au moins une éponge (3A, 4A), au niveau d'au moins ledit côté de contact (7), a un revêtement (6) destiné à empêcher la migration du fluide transversalement audit côté de contact (7).

prise entre 1000 et 10 000 cPs.

- 5
2. Produit de maquillage (1) selon la revendication précédente, dans lequel chacune des éponges (3, 4) a ledit revêtement (6) au niveau dudit côté de contact (7).
10
3. Produit de maquillage (1) selon l'une ou plusieurs des revendications précédentes, dans lequel ledit revêtement (6) est formé d'une couche de résines isolantes polymères et/ou non-polymères, et/ou de polymères isolants formant des films de préférence appliqués par brossage et/ou par vaporisation et/ou par trempage partiel et/ou par contact sur ladite éponge et/ou dans lequel ledit revêtement est formé par un film d'élastomères polymères transparents ou non-transparents et/ou un matériau plastique isolant, mis fermement en contrainte sur l'éponge, et/ou dans lequel ledit revêtement est formé par un traitement de surface du type vulcanisation et/ou par nano-particules, et/ou dans lequel ledit revêtement est formé par une partie de l'éponge dotée de caractéristiques physiques différentes d'autres parties de celle-ci.
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4. Produit de maquillage (1) selon l'une ou plusieurs des revendications précédentes, dans lequel au moins l'un desdits moyens de contrainte (8) est amovible, permettant ainsi de retirer et remplacer au moins l'un des éléments de maquillage (3, 4), afin d'imprégner de nouveau l'éponge (3A, 4A) avec le fluide de maquillage relatif (3B, 4B).
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5. Produit de maquillage (1) selon l'une ou plusieurs des revendications précédentes, dans lequel au moins l'un des éléments de maquillage comprend un fond (9) à l'intérieur duquel l'éponge relative est au moins partiellement logée.
40
6. Produit de maquillage (1) selon la revendication précédente, dans lequel la hauteur d'un bord dudit fond (9) est plus basse que la hauteur de l'éponge logée sur celui-ci.
45
7. Produit de maquillage selon l'une ou plusieurs des revendications précédentes, dans lequel ladite éponge est de type synthétique et a une densité comprise entre 60 et 90 kg/m², de préférence 75 kg/m² $\pm$ 5 %, et/ou avec une résistance à la compression à 40 %, comprise entre 13,5 et 17 kPa, de préférence égale à 14 $\pm$ 5 %.
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8. Produit de maquillage (1) selon l'une ou plusieurs des revendications précédentes, dans lequel ledit fluide de maquillage a une viscosité dynamique com-

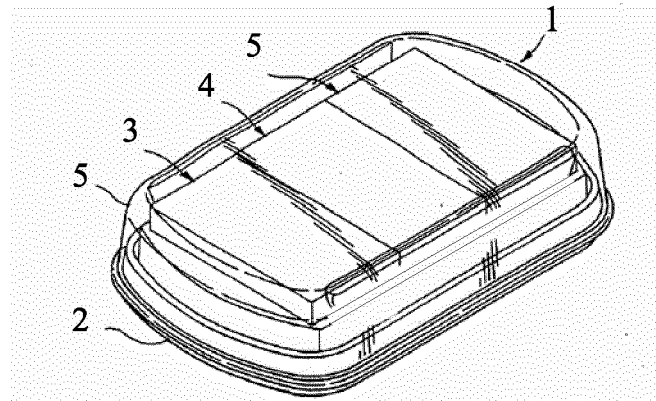


FIG.1

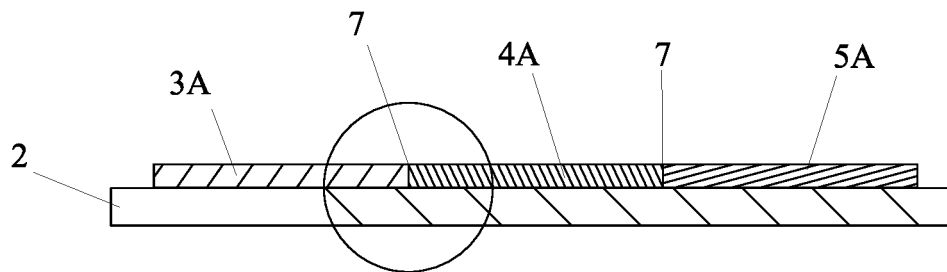


FIG.2

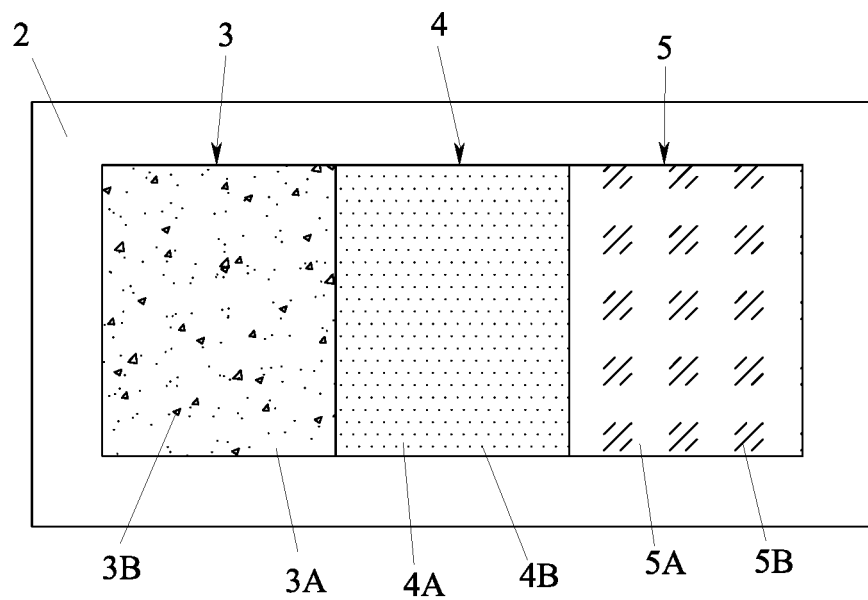
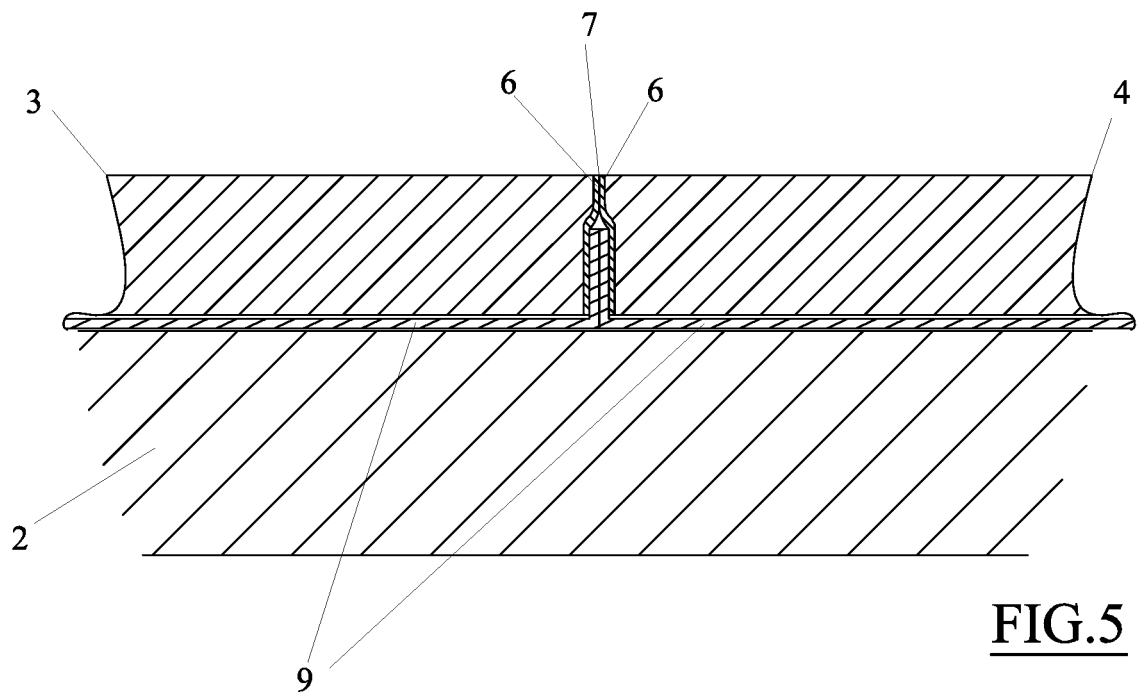
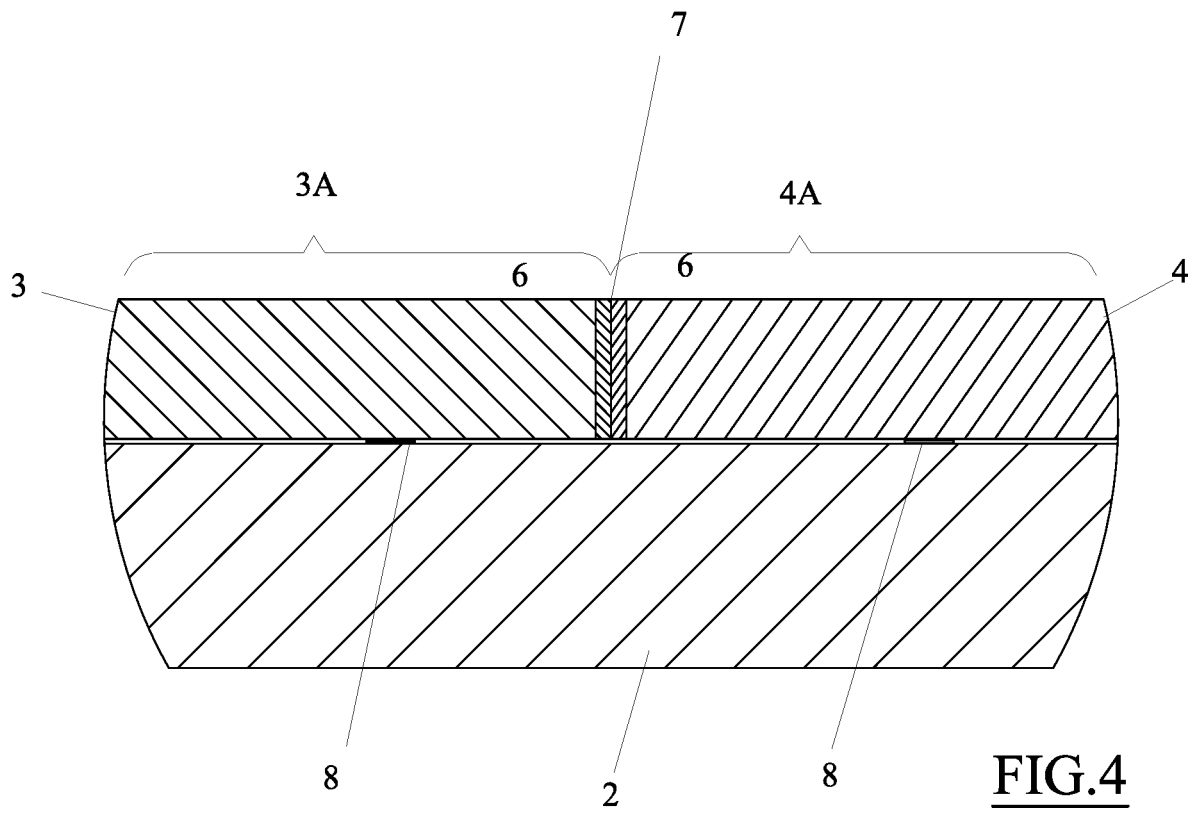


FIG.3



REFERENCES CITED IN THE DESCRIPTION

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Patent documents cited in the description

- US 2010065576 A [0006]
- US 5024325 A [0006]