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(11)

**EP 1 153 553 A1**

(12)

**EUROPEAN PATENT APPLICATION**

(43) Date of publication:

**14.11.2001 Bulletin 2001/46**

(51) Int Cl.7: **A45D 33/00, A47K 7/03**

(21) Application number: **01110962.6**

(22) Date of filing: **07.05.2001**

(84) Designated Contracting States:

**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU  
MC NL PT SE TR**

Designated Extension States:

**AL LT LV MK RO SI**

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(30) Priority: **08.05.2000 IT MI000279 U**

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(54) **Glove for cosmetic use**

(57) Glove useful for the exfoliation of delicate skins and for the application of cosmetic active substances.

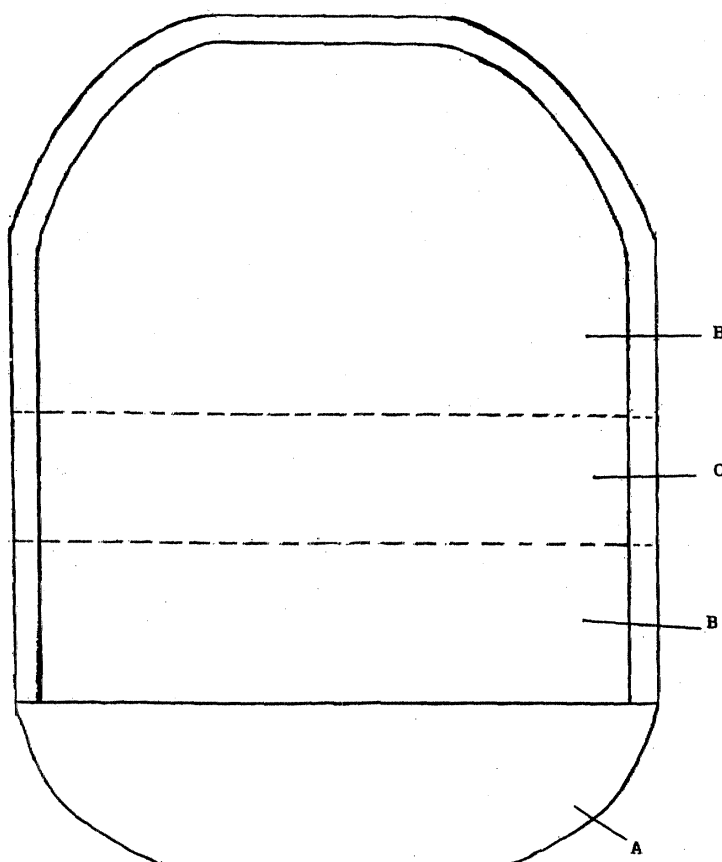


FIG. 1

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## Description

[0001] The present invention concerns a glove for cosmetic use.

[0002] Said glove is particularly useful both for the exfoliation of delicate skins and in the topical application of cosmetic active substances.

[0003] It often happens that said active substances can not carry out their action on the epidermis because of the presence on its surface of a layer of dead cells. A chemical or mechanical exfoliation is usually carried out in order to get rid of or to reduce this layer of dead cells. Among mechanical exfoliating means exfoliating gloves are particularly effective, but they have the disadvantage of irritating the skin and are therefore unsuitable to delicate skins.

## BRIEF DESCRIPTION OF THE INVENTION

[0004] The present invention will be better described with reference to a non-limitative preferred embodiment which is shown in the alleged figure, representing a front view of the glove according to the present invention with its several component parts.

[0005] Said glove is formed by three layers (A), (A') and (B), wherein the layer (A') has the same dimensions as layer (A) and is not shown in the figure because it is covered by layer (A).

[0006] The external layer (A) is made of a film of natural latex, polyurethane or polypropylene and at least its external surface is flocked, preferably with latex. Layers (A) and (B) can be made of the same material as layer (A') or of a film of latex, polyurethane or polypropylene which has not been flocked.

[0007] Layers (A, A'), being preferably rectangular with rounded corners, have a main axis whose length is 13-19 cm, preferably 16 cm, and a smaller axis whose length is 9-15 cm, preferably 12 cm. The two layers (A, A') are welded along their main sides and one of the smaller sides in order to form a first pocket.

[0008] The third layer (B), being preferably rectangular with two rounded corners, has a smaller axis whose length is the same as the smaller axis of layers (A, A') and a main axis which is 1-4 cm, preferably 3 cm, shorter than the main axis of layers (A, A'). Layer (B) is connected to the two layers (A, A') by means of the two main sides and one of the smaller sides in order to form a second pocket which is smaller than the first one.

[0009] Optionally, above layer (B) it is provided a band (C) whose length is the same as the length of the smaller axis of layers (A; A', B) and whose width is 2-3 cm. This band is welded at its ends to the main sides of layers (A, A', B) at an height corresponding to two thirds of the main axis of layer (B) starting from the welded smaller side.

[0010] A microcapsule can be inserted in the bigger internal pocket, preferably made of non-woven fabric, containing a suitable amount of at least a cosmetic wa-

tersoluble active substance, usually a powder, optionally together with cosmetically acceptable excipients.

[0011] Said microcapsule is formed by two layers of non-woven fabric which are connected along their perimeter in order to define an internal cavity of dimensions suitable to contain a suitable amount of active substance and excipients. Preferably, said pocket is square or rectangular and its sides have a length of 1.5-6 cm.

[0012] Preferably, said active substance is selected out of the group consisting of ascorbic acid, allantoin, betaine, azelaic acid, retinyl palmitate or dry extract, flowers or leaves of *Camelia sinensis*, *Cucumis sativus*, *Aloe Barbadiensis*, *Ginkgo Bilboa* and *Citrus dulcis*.

[0013] Said cosmetically acceptable excipients are preferably selected out of the group comprising sodium laurylphosphate, sodium cocoylisoethionate, sodium laurylglutamate and EDTA disodium salt.

[0014] In use, the user's hand is introduced in the smaller internal pocket or beneath band (C), the glove is dampened and the surface of the external layer (A) is rubbed on the skin, thus getting rid of the dead cells lying on the skin's surface. If a microcapsule containing one or more active substances is provided in the larger pocket, beside the exfoliating effect the glove carries out the specific effect of the active substances contained in said microcapsule.

[0015] The glove according to the present invention is particularly useful for the exfoliation of delicate skins. Unlike other exfoliating gloves known in the prior art, it is made of a very soft material which can not cause allergies and does not irritate sensitive skins. Furthermore, the glove according to the present invention can obtain a double effect with a single action, combining the skin exfoliation and the topical application of cosmetic active substances. In this case the action of the active substance is enhanced by the removal of dead cells from the epidermis.

## Claims

1. Glove for cosmetic use, **characterized in that** it is formed by three layers (A), (A') and (B) of a polymeric material welded together in order to form a first and a second pocket, wherein said first pocket is larger than said second pocket and the intermediate layer (A) is common to both pockets, and **in that** said layer (A') defining said first pocket has at least its external surface flocked.
2. Glove according to claim 1, **characterized in that** said polymeric material sponge is a film of natural latex, polyurethane or polypropylene.
3. Glove according to claim 2, **characterized in that** said film of natural latex, polyurethane or polypropylene has at least a flocked surface.

4. Glove according to claims 1-3, **characterized in that** said flocked surfaces are flocked with latex.
  
5. Glove according to claims 1-4, **characterized in that** said layers (A, A') defining said first pocket are rectangular with rounded corners and have a main axis whose length is 13-19 cm and a smaller axis whose length is 9-15 cm and layer (B) defining said second pocket is rectangular with two rounded corners and has a main axis which is 1-4 cm shorter than the main axis of the other two layers and a smaller axis which is as long as the smaller axis of the other two layers.
  
6. Glove according to claims 1-5, **characterized in that** above said layer (B) it is provided a band (C).
  
7. Glove according to claim 6, **characterized in that** the length of said band (C) is the same as the length of the smaller axis of layers (A; A', B) and its width is 2-3 cm and it is welded at its ends to the main sides of layers (A, A', B) at an height corresponding to two thirds of the main axis of layer (B) starting from the welded smaller side.
  
8. Glove according to claims 1-7, **characterized in that** in said first pocket it can be inserted a microcapsule made of non-woven cloth containing at least a cosmetic active substance.
  
9. Glove according to claim 8, **characterized in that** said cosmetic active substance is selected out of the group consisting of ascorbid acid, allantoin, betaine, azelaic acid, retinil palmitate or dry extract, flowers or leaves of *Camelia sinensis*, *Cucumis sativus*, *Aloe Barbadiensis*, *Ginkgo Bilboa* and *Citrus dulcis*.
  
10. Glove according to claims 8 and 9, **characterized in that** said microcapsule contains cosmetically acceptable excipients.
  
11. Glove according to claim 10, **characterized in that** said cosmetically acceptable excipients are selected out of the group comprising sodium laurylphosphate, sodium cocoylisothionate, sodium laurylglutamate and EDTA disodium salt.

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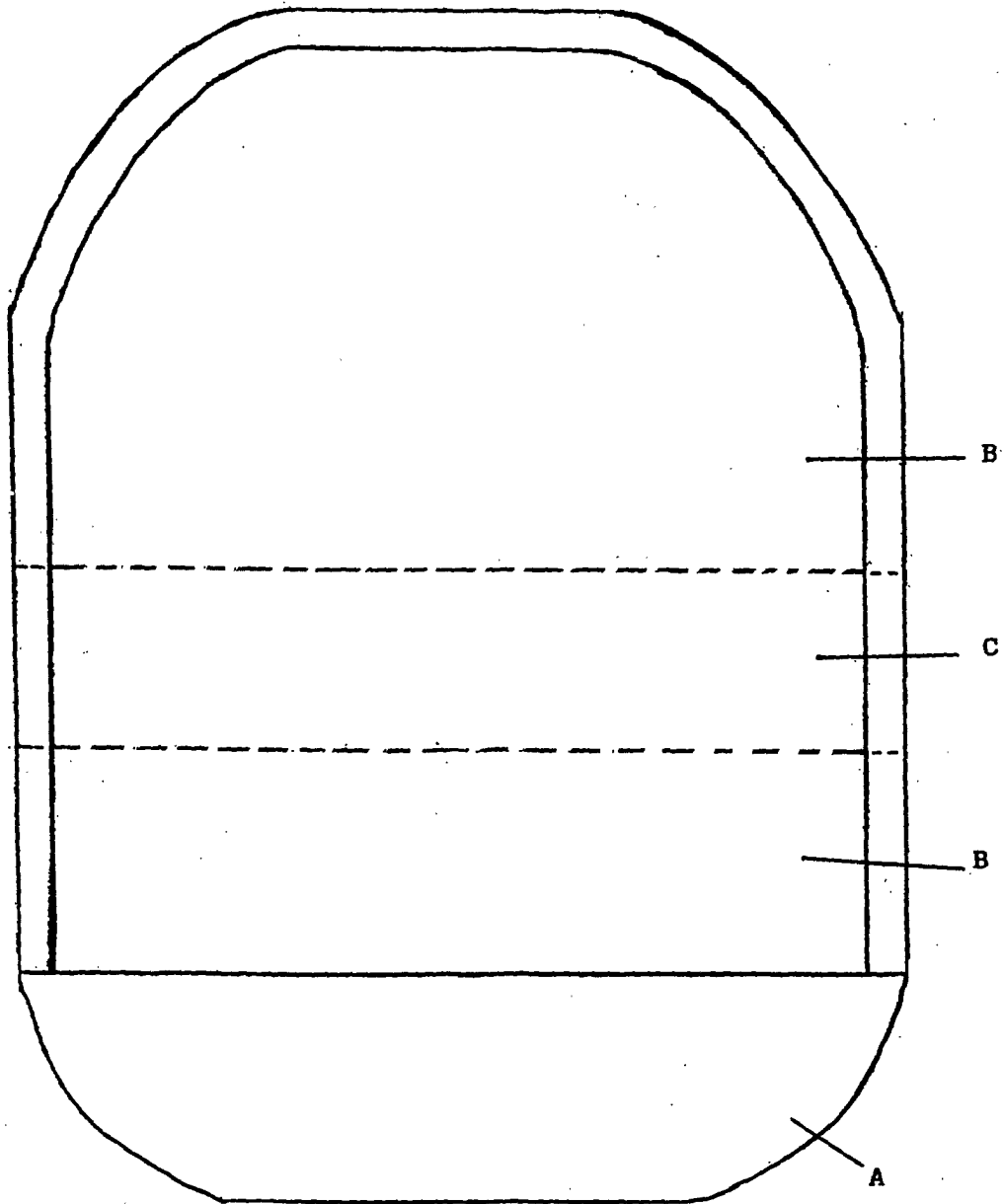


FIG. 1



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# EUROPEAN SEARCH REPORT

Application Number  
EP 01 11 0962

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>20 July 2001</b>	Examiner <b>Porwoll, H</b>
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	

EPC FORM 1503 03/02 (P04/01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82