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(54) **PERMING SOLUTION ABSORBING TOWEL**

(57) The present invention relates to a perming solution absorbing towel that may easily be fastened around the neck to prevent dripping. The perming solution absorbing towel includes a first coupling portion 110 and a

second coupling portion 120 configured to fold and fasten together corner portions 101 and 102 of both ends of the perming solution absorbing towel by pulling strings respectively formed on the corner portions 101 and 102.

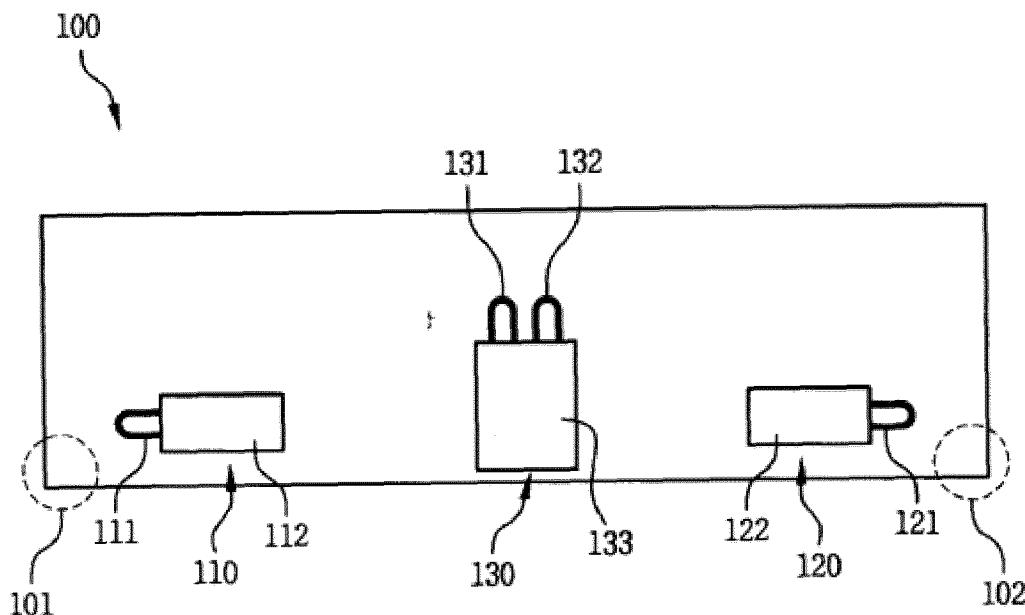


FIG.2

Description**TECHNICAL FIELD**

[0001] The present invention relates to a perming solution absorbing towel, and more particularly, to a perming solution absorbing towel that may easily be fastened around the neck to prevent dripping.

BACKGROUND ART

[0002] As well known, during perming, a perming solution absorbing towel is fastened around the neck to absorb a hair dye or a perming solution such as a neutralizing agent flowing down from the hair. In particular, such perming solution absorbing towels are used at hair shops.

[0003] As shown in FIG. 1, such a perming solution absorbing towel may be used as follows: a hairdresser puts a towel 10 around the neck of a person before perming and then fastens the towel 10 to the neck by pulling corner portions 11 and 12 of both end sides of the towel 10 and tying the corner portions 11 and 12 using a rubber band 13.

[0004] Thereafter, a neutralizing agent hair tray 20 is put around the neck, and a perming solution or the like is applied to the hair.

[0005] Therefore, a portion of the perming solution flowing down along the scalp is absorbed in the towel 10 wrapped around the neck, and a portion of the perming solution flowing along the hair is received in the neutralizing agent hair tray 20.

[0006] However, when the towel 10 is used, it is cumbersome to prepare an additional rubber band 13 for fastening the towel 10, and as time goes by after the towel 10 is put around the neck, the neck may be wet with the perming solution flowing down along the scalp because a center portion 14 of the towel 10 is often moved down below a portion 21 of the neutralizing agent hair tray 20.

DESCRIPTION OF EMBODIMENTS**TECHNICAL PROBLEM**

[0007] The present invention is directed to solve the above-described problems by providing a perming solution absorbing towel that is easily fastened around the neck to prevent dripping.

SOLUTION TO PROBLEM

[0008] To achieve such purposes, the present invention provide a perming solution absorbing towel including a first coupling portion and a second coupling portion configured to fold and fasten together corner portions of both ends of the perming solution absorbing towel by pulling strings respectively formed on the corner portions.

[0009] In addition, according to the present invention,

the first coupling portion includes: a \subset -shaped first string extending toward the corner portion: and a cover portion having a sewn portion to expose a leading end portion of the first string and fix other ends of the first string to the perming solution absorbing towel.

[0010] In addition, according to the present invention, the second coupling portion includes: a \supset -shaped second string extending toward the corner portion: and a cover portion having a sewn portion to expose a leading end portion of the second string and fix other ends of the second string to the perming solution absorbing towel.

[0011] In addition, according to the present invention, a first stop sewn line and a second stop sewn line are further formed on the first coupling portion and the second coupling portion so as to prevent the first string and the second string from being concealed respectively in the cover portions.

[0012] In addition, according to the present invention, the perming solution absorbing towel further includes a stop portion positioned between the first coupling portion and the second coupling portion and configured to form creases when two strings thereof are pulled and fastened.

[0013] In addition, according to the present invention, the stop portion includes: n-shaped third and fourth strings positioned between the first coupling portion and the second coupling portion and extending toward an inner side of the perming solution absorbing towel; a cover portion having a sewn portion to expose leading end portions of the third and fourth strings and fix other ends of the third and fourth strings to the perming solution absorbing towel; a third stop sewn line formed on the cover portion between the third and fourth strings; and fourth and fifth stop sewn lines respectively preventing the third and fourth strings from being concealed in the cover portion.

ADVANTAGEOUS EFFECTS OF DISCLOSURE

[0014] As described above, the present invention provides a towel configured to be easily wrapped and fastened around the neck, thereby preventing dripping of a perming solution and protecting the neck from being stained with the perming solution.

BRIEF DESCRIPTION OF DRAWINGS**[0015]**

FIG. 1 is a view illustrating a state in which a perming solution absorbing towel of the related art is used.

FIG. 2 is a view illustrating a perming solution absorbing towel according to the present invention.

FIG. 3 is a detailed view illustrating a first coupling portion and a second coupling portion according to the present invention.

FIG. 4 is a detailed view illustrating a stop portion according to the present invention.

FIG. 5 is a view illustrating an operational state of the first coupling portion and the second coupling portion according to the present invention.

FIG. 6 is a view illustrating an operational state of the stop portion according to the present invention.

FIG. 7 is a view illustrating a state in which the permung solution absorbing towel is used according to the present invention.

BEST MODE

[0016] Hereinafter, preferred embodiments of the present invention will be described in detail with reference to the accompanying drawings.

[0017] FIG. 2 is a view illustrating a permung solution absorbing towel according to the present invention, FIG. 3 is a detailed view illustrating a first coupling portion and a second coupling portion according to the present invention, and FIG. 4 is a detailed view illustrating a stop portion according to the present invention.

[0018] As illustrated, a permung solution absorbing towel 100 of the present invention includes: a first coupling portion 110 and a second coupling portion 120 configured to fold and fasten together corner portions 101 and 102 of both ends of the permung solution absorbing towel 100 by pulling strings respectively formed on the corner portions 101 and 102.

[0019] As shown in (a) of FIG. 3, the first coupling portion 110 comprises a \subset -shaped first string 111 extending toward the corner portion 101 and a cover portion 112 having a sewn portion 113 such that a leading end portion of the first string 111 may be exposed and other ends of the first string 111 may be fixed to the towel 100.

[0020] In addition, a first stop sewn line 114 is further formed on the first coupling portion 110 to prevent the first string 111 from being concealed in the cover portion 112.

[0021] As shown in (b) of FIG. 3, the second coupling portion 120 comprises a \supset -shaped second string 121 extending toward the corner portion 102 and a cover portion 122 having a sewn portion 123 such that a leading end portion of the second string 121 may be exposed and other ends of the second string 121 may be fixed to the towel 100.

[0022] In addition, a first stop sewn line 124 is further formed on the second coupling portion 120 to prevent the second string 121 from being concealed in the cover portion 122.

[0023] The first coupling portion 110 and the second coupling portion 120 configured as described above are operated as follows.

[0024] First, as shown in (a) of FIG. 5, if the first string 111 and the second string 121 of the first coupling portion 110 and the second coupling portion 120 are pulled, the first string 111 and the second string 121 are extended outward from the cover portions 112 and 122.

[0025] Then, as shown in (b) of FIG. 5, the corner portion 101 and the corner portion 102 of the towel 100 are

put together, and as shown in (c) of FIG. 5, the corner portion 101 and the corner portion 102 are overlapped and tied with the extended first and second strings 111 and 121.

[0026] In this manner, the towel 100 may be simply and easily put around the neck of a user.

[0027] In addition, the permung solution absorbing towel 100 of the present invention may further include a stop portion 130 positioned between the first coupling portion 110 and the second coupling portion 120 and configured to form creases when two strings thereof are pulled and fastened.

[0028] As shown in FIG. 4, the stop portion 130 includes: \cap -shaped third and fourth strings 131 and 132 positioned between the first coupling portion 110 and the second coupling portion 120 and extending toward an inner side of the towel 100; a cover portion 133 having a sewn portion 134 to expose leading end portions of the third and fourth strings 131 and 132 and fix other ends of the third and fourth strings 131 and 132 to the towel 100; a third stop sewn line 135 formed on the cover portion 133 between the third and fourth strings 131 and 132; and fourth and fifth stop sewn lines 136 and 137 respectively preventing the third and fourth strings 131 and 132 from being concealed in the cover portion 133.

[0029] When the third string 131 and the fourth string 132 are tied together, the stop sewn line 135 prevents the third string 131 and the fourth string 132 from being concealed in the cover portion 133 and thus maintains the cover portion 133 in a creased state.

[0030] The stop portion 130 configured as described above functions as follows.

[0031] As shown in (a) of FIG. 6, if the third string 131 and the fourth string 132 of the stop portion 130 are pulled, the third string 131 and the fourth string 132 are extended outward from the cover portion 133. At this time, the cover portion 133 is creased.

[0032] Thereafter, as shown in (b) of FIG. 6, the third string 131 and the fourth string 132 are tied together. Therefore, as shown in (c) of FIG. 6, the cover portion 133 is maintained in the creased state.

[0033] An overall use state of the towel 100 having the above-described structure will now be described with reference to FIG. 7.

[0034] First, after permung, the towel 100 is put around the neck of a user with the corner portions 101 and 102 being forward, and then the towel 100 is fixed to the neck of the user by pulling the first string 111 and the second string 121 of the first coupling portion 110 and the second coupling portion 120 and tying the corner portions 101 and 102.

[0035] Thereafter, the third string 131 and the fourth string 132 of the stop portion 130 are pulled and tied together to crease the cover portion 133.

[0036] In this state, as shown in FIG. 7, a neutralizing agent hair tray 20 is put around the neck of the user, and then the creased cover portion 133 functions as protrusions.

[0037] Therefore, the creased cover portion 133 having a protrusion shape is caught on a portion 21 (refer to FIG. 1) of the neutralizing agent hair tray 20, thereby preventing the cover portion 133 from moving down below the portion 21.

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cover portion (133) between the third and fourth strings (131, 132); and fourth and fifth stop sewn lines (136, 137) respectively preventing the third and fourth strings (131, 132) from being concealed in the cover portion (133).

Claims

1. A perming solution absorbing towel comprising a first coupling portion (110) and a second coupling portion (120) configured to fold and fasten together corner portions (101, 102) of both ends of the perming solution absorbing towel by pulling strings respectively formed on the corner portions (101, 102). 10
2. The perming solution absorbing towel of claim 1, wherein the first coupling portion (110) comprises: a \subset -shaped first string (111) extending toward the corner portion (101); and a cover portion (112) having a sewn portion (113) to expose a leading end portion of the first string (111) and fix other ends of the first string (111) to the perming solution absorbing towel. 20
3. The perming solution absorbing towel of claim 1, wherein the second coupling portion (120) comprises: a \supset -shaped second string (121) extending toward the corner portion (102); and a cover portion (122) having a sewn portion (123) to expose a leading end portion of the second string (121) and fix other ends of the second string (121) to the perming solution absorbing towel. 25
4. The perming solution absorbing towel of claims 2 or 3, wherein a first stop sewn line (114) and a second stop sewn line (124) are further formed on the first coupling portion (110) and the second coupling portion (120) so as to prevent the first string (111) and the second string (121) from being concealed respectively in the cover portions (112, 122). 35
5. The perming solution absorbing towel of claim 1, further comprising a stop portion (130) positioned between the first coupling portion (110) and the second coupling portion (120) and configured to form creases when two strings thereof are pulled and fastened. 45
6. The perming solution absorbing towel of claim 5, wherein the stop portion (130) comprises: \cap -shaped third and fourth strings (131, 132) positioned between the first coupling portion (110) and the second coupling portion (120) and extending toward an inner side of the perming solution absorbing towel; a cover portion (133) having a sewn portion (134) to expose leading end portions of the third and fourth strings (131, 132) and fix other ends of the third and fourth strings (131, 132) to the perming solution absorbing towel; a third stop sewn line (135) formed on the 50
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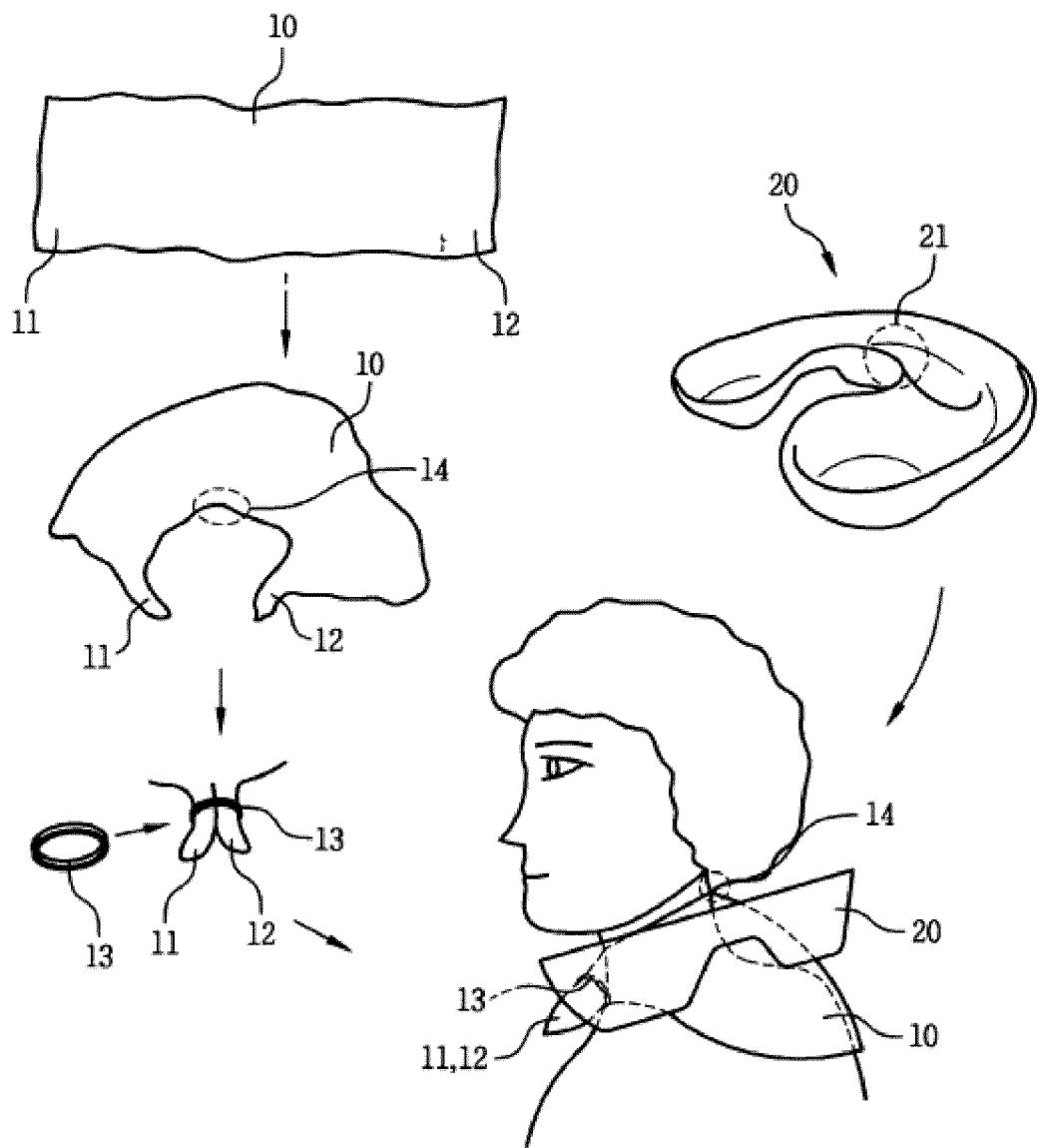


FIG.1

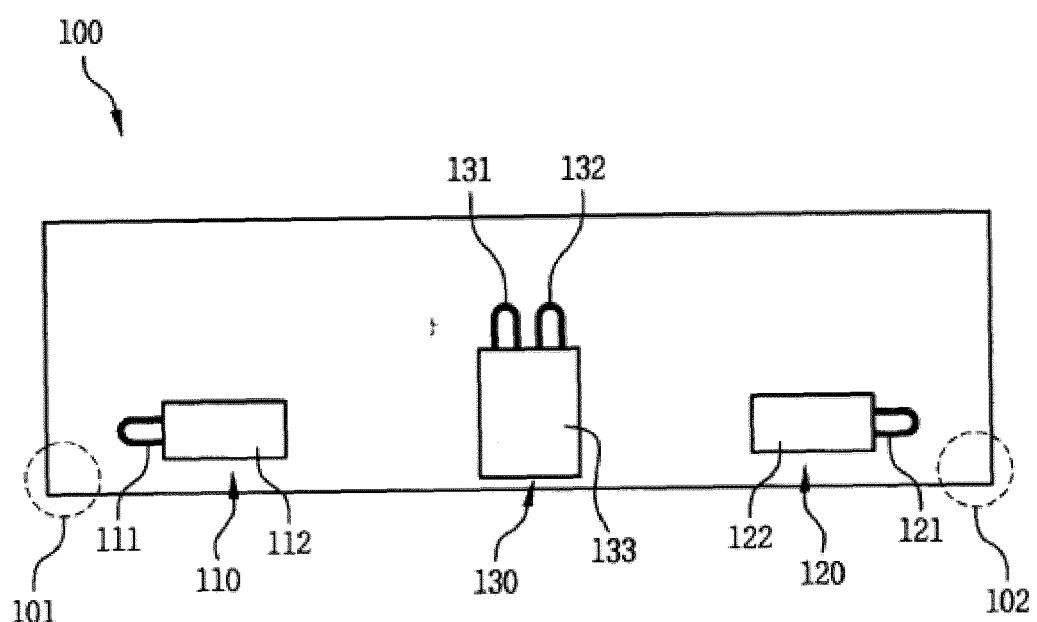
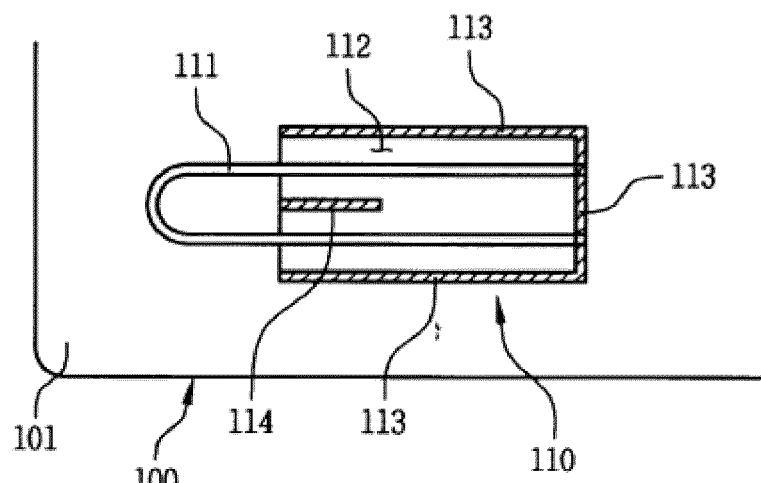
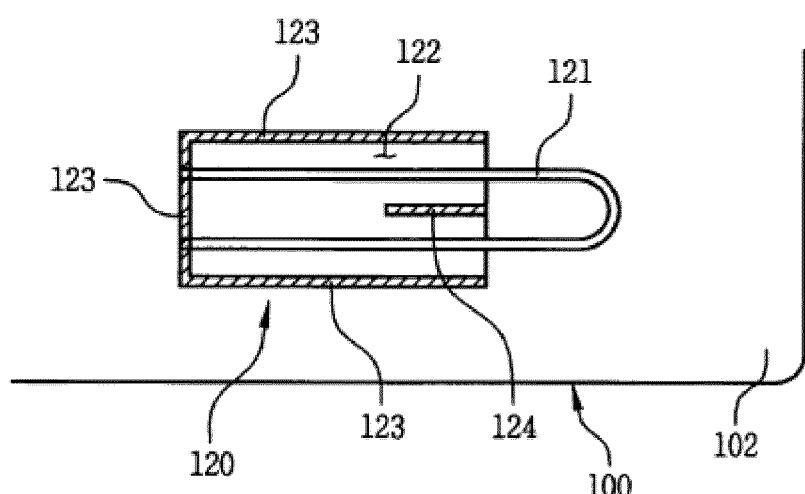


FIG.2



(a)



(b)

FIG.3

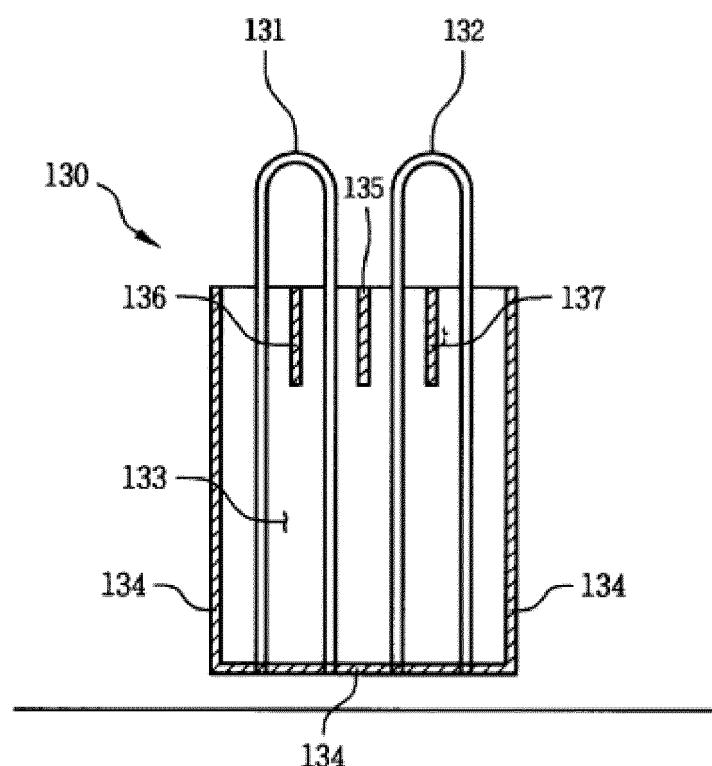


FIG.4

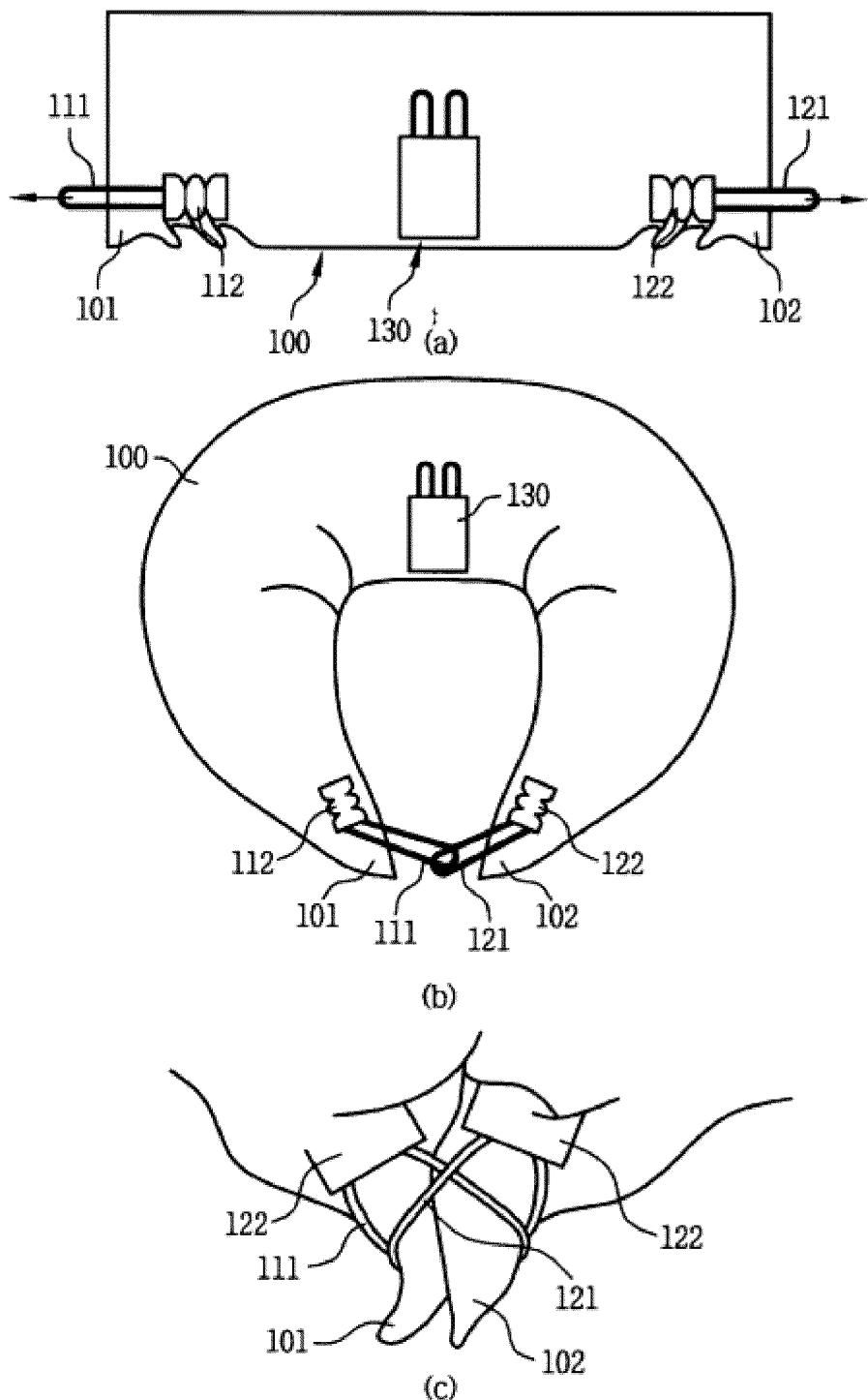


FIG.5

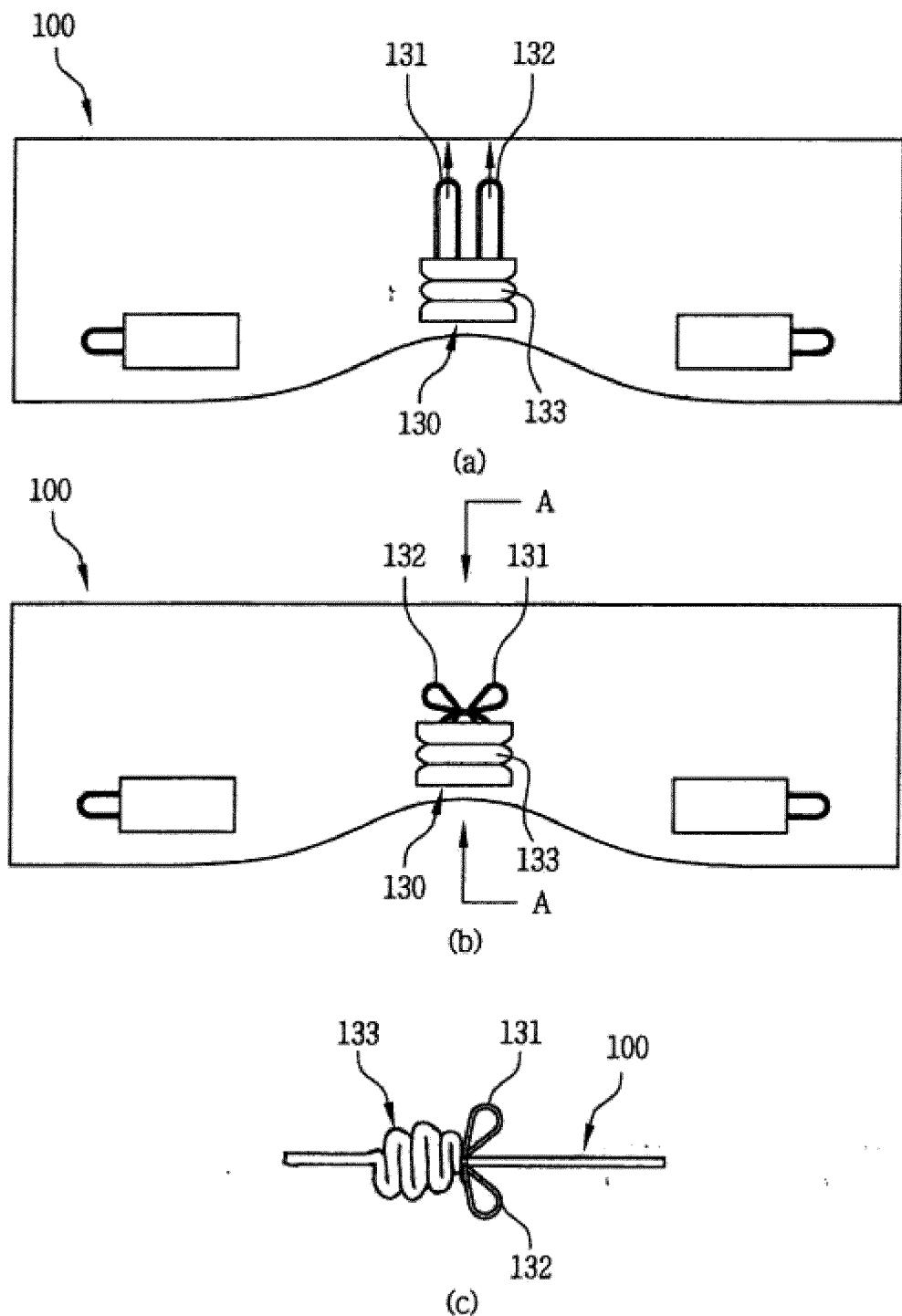


FIG.6

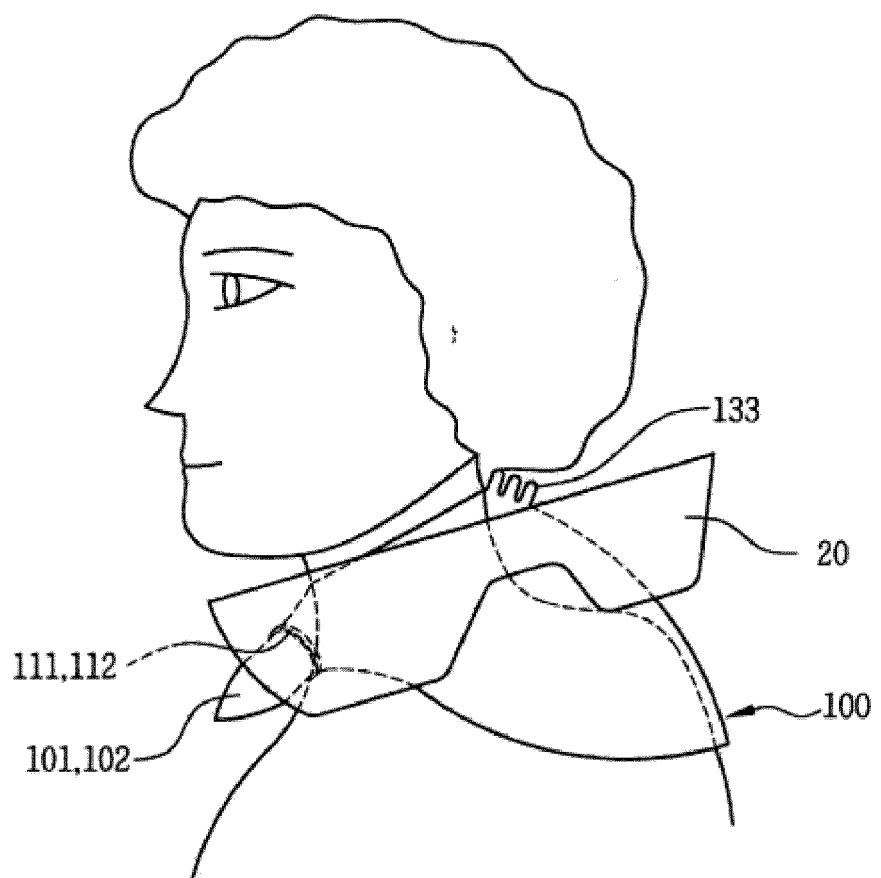


FIG.7

INTERNATIONAL SEARCH REPORT		International application No. PCT/KR2017/005149																											
5	A. CLASSIFICATION OF SUBJECT MATTER <i>A45D 44/08(2006.01)i, A45D 44/02(2006.01)i, A45D 6/00(2006.01)i</i> According to International Patent Classification (IPC) or to both national classification and IPC																												
10	B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) A45D 44/08; A45D 8/00; A45D 8/36; A45D 44/02; A45D 6/00																												
15	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Utility models and applications for Utility models: IPC as above Japanese Utility models and applications for Utility models: IPC as above																												
20	Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKOMPASS (KIPO internal) & Keywords: towel, towel, combination, engagement, cover, cover, absorbent, perm																												
25	C. DOCUMENTS CONSIDERED TO BE RELEVANT <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 2px;">Category*</th> <th style="text-align: left; padding: 2px;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="text-align: left; padding: 2px;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td style="padding: 2px;">X</td> <td style="padding: 2px;">US 2246035 A (ELLIOT) 17 June 1941 See page 1; figures 1-3.</td> <td style="padding: 2px;">1</td> </tr> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">5</td> </tr> <tr> <td style="padding: 2px;">A</td> <td style="padding: 2px;"></td> <td style="padding: 2px;">2-3,6</td> </tr> <tr> <td style="padding: 2px;">Y</td> <td style="padding: 2px;">JP 01-066221 U (MARUTAKA INC.) 27 April 1989 See claims 1, 3-5; figures 6-8.</td> <td style="padding: 2px;">5</td> </tr> <tr> <td style="padding: 2px;">A</td> <td style="padding: 2px;">KR 20-2000-0004475 U (LEE, Seon-Ho) 06 March 2000 See the entire document.</td> <td style="padding: 2px;">1-3,5-6</td> </tr> <tr> <td style="padding: 2px;">A</td> <td style="padding: 2px;">JP 06-008827 Y2 (KAI INDUSTRIES CO., LTD.) 09 March 1994 See the entire document.</td> <td style="padding: 2px;">1-3,5-6</td> </tr> <tr> <td style="padding: 2px;">A</td> <td style="padding: 2px;">JP 03068880 U (NAKAYAMA) 26 May 2000 See the entire document.</td> <td style="padding: 2px;">1-3,5-6</td> </tr> <tr> <td style="padding: 2px;">PX</td> <td style="padding: 2px;">KR 10-1732311 B1 (KIM, Chan-Soo) 04 May 2017 See claims 1, 4-5; figures 1-7.</td> <td style="padding: 2px;">1-3,5-6</td> </tr> </tbody> </table>		Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	X	US 2246035 A (ELLIOT) 17 June 1941 See page 1; figures 1-3.	1	Y		5	A		2-3,6	Y	JP 01-066221 U (MARUTAKA INC.) 27 April 1989 See claims 1, 3-5; figures 6-8.	5	A	KR 20-2000-0004475 U (LEE, Seon-Ho) 06 March 2000 See the entire document.	1-3,5-6	A	JP 06-008827 Y2 (KAI INDUSTRIES CO., LTD.) 09 March 1994 See the entire document.	1-3,5-6	A	JP 03068880 U (NAKAYAMA) 26 May 2000 See the entire document.	1-3,5-6	PX	KR 10-1732311 B1 (KIM, Chan-Soo) 04 May 2017 See claims 1, 4-5; figures 1-7.	1-3,5-6
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A	KR 20-2000-0004475 U (LEE, Seon-Ho) 06 March 2000 See the entire document.	1-3,5-6																											
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30	<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.																												
35	* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed																												
40	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family																												
45	Date of the actual completion of the international search 14 SEPTEMBER 2017 (14.09.2017)																												
50	Date of mailing of the international search report 14 SEPTEMBER 2017 (14.09.2017)																												
55	Name and mailing address of the ISA/KR  Korean Intellectual Property Office Government Complex-Daejeon, 189 Seonsa-ro, Daejeon 302-701, Republic of Korea Facsimile No. +82-42-481-8578																												

Form PCT/ISA/210 (second sheet) (January 2015)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2017/005149

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: 4
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/KR2017/005149

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	Patent document cited in search report	Publication date	Patent family member	Publication date
	US 2246035 A1	17/06/1941	NONE	
	JP 01-066221 U	27/04/1989	NONE	
	KR 20-2000-0004475 U	06/03/2000	NONE	
	JP 06-008827 Y2	09/03/1994	JP 03-003922 U	16/01/1991
	JP 03068880 U	26/05/2000	NONE	
	KR 10-1732311 B1	04/05/2017	NONE	

Form PCT/ISA/210 (patent family annex) (January 2015)