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Attorneys for PLAINTIFFS
Kuo-Ching Chien and Confirm Personal Care
Industrial Corp.

UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA

KUO-CHING CHIEN, an individual, and
CONFIRM PERSONAL CARE INDUSTRIAL
CORP., a Taiwanese corporation,

Plaintiffs,

vs.

BATH ACCESSORIES COMPANY, INC., a
California corporation,

Defendant.

CASE NO. C 06-07130 RS

FIRST AMENDED COMPLAINT

DEMAND FOR JURY TRIAL

Plaintiff KUO-CHING CHIEN, an individual, ("Plaintiff Chien") and Plaintiff CONFIRM PERSONAL CARE INDUSTRIAL CORP., a Taiwanese corporation ("Plaintiff Confirm") allege as follows:

JURISDICTION AND VENUE ALLEGATIONS

1. The Court has jurisdiction over the subject matter of this action pursuant to 28 U.S.C. sections 1331 and 1338(a) and (b), as this action arises under the patent laws of the United States.

2. Venue is proper in this Court pursuant to 28 U.S.C. section 1391(b), as this is a judicial district in which a substantial part of the events giving rise to the claims occurred.

INTRADISTRICT ASSIGNMENT

3. At all times herein mentioned, Plaintiff Kuo-Ching Chien, is, and was, an individual and is a citizen of Taiwan.

4. At all times herein mentioned, Plaintiff Confirm Personal Care Industrial Corp. ("Plaintiff Confirm") is, and was, a Taiwanese corporation.

5. At all times herein mentioned, Plaintiff s are informed and believe, and thereon allege, that Defendant BATH ACCESSORIES COMPANY, INC. ("BATH"), was, and is, a citizen of California, being a California corporation with its principal place of business in San Francisco, California.

6. Defendant has conducted business in this judicial district and/or has committed the allegedly infringing acts or wrongful conduct described below in this judicial district.

FACTUAL ALLEGATIONS

7. Plaintiff Chien is the owner of US design patent no. **D449,450** for a Brush. A true and correct copy of the United States Design Patent for this Brush is attached hereto as "Exhibit "A" and made a part hereof.

8. Plaintiff Chien is the owner of US patent no. **6,735,808** for a Bath Brush. A true and correct copy of the United States Patent for this Bath Brush is attached hereto as Exhibit "B" and made a part hereof.

9. Plaintiff Confirm is the owner of US patent no. **6,098,233**, for a Bath Brush with Massage Means. A true and correct copy of the United States Patent for this Bath Brush with Massage Means is attached hereto as Exhibit "C" and made a part hereof.

10. Plaintiff Chien is the owner of US design patent no. **D419,681** for a Massage Ball. A true and correct copy of the United States Design Patent for this Massage Ball is attached hereto as "Exhibit "D" and made a part hereof.

11. Plaintiff Confirm is the owner of US design patent no. **D423,108** for a Massage Device. A true and correct copy of the United States Design Patent for this Massage Device is attached hereto as "Exhibit "E" and made a part hereof.

12. Plaintiff Chien is the owner of US design patent no. **D435,661** for a Massage Device. A true and correct copy of the United States Design Patent for this Massage Device is attached hereto as "Exhibit "F" and made a part hereof.

FIRST CAUSE OF ACTION

(Infringement of U.S. Patent Nos. **D449,450** for Brush)

13. Plaintiff Chien repeats and re-alleges the allegations of paragraphs 1 through 12 of the Complaint as if fully set forth herein.

14. Plaintiff Chien is the sole owner and/or assignee of United States Patent No. **D449,450** (the "'450 Patent") for a Brush. The application for the '450 Patent was filed on August 3, 2000, and on October 23, 2001 the '450 Patent issued.

15. Defendant BATH has infringed and is continuing to infringe the '450 Patent, in violation of 35 U.S.C. section 271, by making, using, importing, offering for sale and/or selling brushes that are covered by one or more claims of the '450 Patent, including, but not limited to the Deluxe Curved Pumice Brush Duo, and by contributing to or inducing others to infringe this patent.

16. Defendant's activities have been without express or implied license by Plaintiff Chien.

17. Defendant continues to infringe the '450 Patent and, unless enjoined by this Court, will continue to infringe the '450 Patent. Plaintiff Chien has suffered and will continue to suffer irreparable harm for which there is no adequate remedy at law. Accordingly, Plaintiff Chien is entitled to temporary, preliminary, and/or permanent injunctive relief against such infringement pursuant to 35 U.S.C. section 283.

18. As a result of Defendant's infringement of the '450 Patent, Plaintiff Chien has been and will be damaged, and is entitled to be compensated for such damages pursuant to 35 U.S.C. section 284 in an amount that cannot presently be ascertained, but that will be determined at trial.

19. Plaintiff Chien is informed and believes that Defendant's past and continuing infringement of the '450 Patent has been deliberate and willful, and that this case is therefore an exceptional case which warrants an award of treble damages and attorneys' fees to Plaintiff Chien in accordance with 35 U.S.C. section 285.

SECOND CAUSE OF ACTION

(Infringement of U.S. Patent Nos. **6,735,808** for a Bath Brush)

20. Plaintiff Chien repeats and re-alleges the allegations of paragraphs 1 through 12 of the Complaint as if fully set forth herein.

21. Plaintiff Chien is the sole owner and/or assignee of United States Patent No. **6,735,808** (the "'808 Patent") for a Bath Brush. The application for the '808 Patent was filed on September 5, 2001, and on May 18, 2004, the '808 Patent issued.

22. Defendant BATH has infringed and is continuing to infringe the '808 Patent, in violation of 35 U.S.C. section 271, by making, using, importing, offering for sale and/or selling brushes that are covered by one or more claims of the '808 Patent, including, but not limited to the Massaging Wood Brush, and by contributing to or inducing others to infringe this patent.

23. Defendant's activities have been without express or implied license by Plaintiff Chien.

24. Defendant continues to infringe the '808 Patent and, unless enjoined by this Court, will continue to infringe the '808 Patent. Plaintiff Chien has suffered and will continue to suffer irreparable harm for which there is no adequate remedy at law. Accordingly, Plaintiff Chien is entitled to temporary, preliminary, and/or permanent injunctive relief against such infringement pursuant to 35 U.S.C. section 283.

25. As a result of Defendant's infringement of the '808 Patent, Plaintiff Chien has been and will be damaged, and is entitled to be compensated for such damages pursuant to 35 U.S.C. section 284 in an amount that cannot presently be ascertained, but that will be determined at trial.

26. Plaintiff Chien is informed and believes that Defendant's past and continuing infringement of the '808 Patent has been deliberate and willful, and that this case is therefore an

1 exceptional case which warrants an award of treble damages and attorneys' fees to Plaintiff Chien in
2 accordance with 35 U.S.C. section 285.

3
4 **THIRD CAUSE OF ACTION**

5 (Infringement of U.S. Patent No. **6,098,233** for Bath Brush with Massage Means)

6 27. Plaintiff Confirm repeats and re-alleges the allegations of paragraphs 1 through 12 of the
7 Complaint as if fully set forth herein.

8 28. Plaintiff Confirm is the sole owner and/or assignee of United States Patent No. **6,098,233**
9 (the "'233 Patent") for a Bath Brush with Massage Means. The application for the '233 Patent was filed
10 on June 4, 1999 , and on August 8, 2000 the '233 Patent issued. On May 11, 1999, the patent was
11 assigned to Plaintiff Confirm.

12 29. Defendant BATH has infringed and continues to infringe the '233 Patent, in violation of
13 35 U.S.C. section 271, by making, using, importing, offering for sale and/or selling brushes that are
14 covered by one or more claims of the '233 Patent, including, but not limited to the Massaging Wood
15 Brush, and by contributing to or inducing others to infringe this patent.

16 30. Defendant's activities have been without express or implied license by Plaintiff Confirm.

17 31. Defendant continues to infringe the '233 Patent and, unless enjoined by this Court, will
18 continue to infringe the '233 Patent. Plaintiff Confirm has suffered and will continue to suffer
19 irreparable harm for which there is no adequate remedy at law. Accordingly, Plaintiff Confirm is entitled
20 to temporary, preliminary, and/or permanent injunctive relief against such infringement pursuant to 35
21 U.S.C. section 283.

22 32. As a result of Defendant's infringement of the '233 Patent, Plaintiff Confirm has been
23 and will be damaged, and is entitled to be compensated for such damages pursuant to 35 U.S.C. section
24 284 in an amount that cannot presently be ascertained, but that will be determined at trial.

25 33. Plaintiff Confirm is informed and believes that Defendant's past and continuing
26 infringement of the '233 Patent has been deliberate and willful, and that this case is therefore an
27
28

1 exceptional case which warrants an award of treble damages and attorneys' fees to Plaintiff Confirm in
2 accordance with 35 U.S.C. section 285.

3
4 **FOURTH CAUSE OF ACTION**

5 (Infringement of U.S. Patent No. **D419,681** for Massage Ball)

6 34. Plaintiff Chien repeats and re-alleges the allegations of paragraphs 1 through 12
7 of the Complaint as if fully set forth herein.

8 35. Plaintiff Kuo-Ching Chien is the sole owner and/or assignee of United States Patent No.
9 **D419,681** (the "'681 Patent") for a Massage Ball. The application for the '681 Patent was filed on
10 April 21, 1999, and on January 25, 2000, the '681 Patent issued.

11 36. Defendant BATH has infringed and continues to infringe the '681 Patent, in violation of
12 35 U.S.C. section 271, by making, using, importing, offering for sale and/or selling massagers that are
13 covered by one or more claims of the '681 Patent, including, but not limited to the No More Kinks
14 Massager, and by contributing to or inducing others to infringe this patent.

15 37. Defendant's activities have been without express or implied license by Plaintiff Chien.

16 38. Defendant continues to infringe the '681 Patent and, unless enjoined by this Court, will
17 continue to infringe the '681 Patent. Plaintiff Chien has suffered and will continue to suffer irreparable
18 harm for which there is no adequate remedy at law. Accordingly, Plaintiff Chien is entitled to temporary,
19 preliminary, and/or permanent injunctive relief against such infringement pursuant to 35 U.S.C. section
20 283.

21 39. As a result of Defendant's infringement of the '681 Patent, Plaintiff Chien has been and
22 will be damaged, and is entitled to be compensated for such damages pursuant to 35 U.S.C. section 284
23 in an amount that cannot presently be ascertained, but that will be determined at trial.

24 40. Plaintiff Chien is informed and believes that Defendant's past and continuing
25 infringement of the '681 Patent has been deliberate and willful, and that this case is therefore an
26 exceptional case which warrants an award of treble damages and attorneys' fees to Plaintiff Chien in
27 accordance with 35 U.S.C. section 285.

FIFTH CAUSE OF ACTION

(Infringement of U.S. Patent No. **D423,108** for Massage Device)

41. Plaintiff Confirm repeats and re-alleges the allegations of paragraphs 1 through 12 of the Complaint as if fully set forth herein.

42. Plaintiff Confirm is the sole owner and/or assignee of United States Patent No. **D423,108** (the “‘108 Patent”) for a Massage Device. The application for the ‘108 Patent was filed on March 19, 1999, and on April 18, 2000, the ‘108 Patent issued. On March 8, 1999, the Patent was assigned to Plaintiff Confirm.

43. Defendant BATH has infringed and continues to infringe the ‘108 Patent, in violation of 35 U.S.C. section 271, by making, using, importing, offering for sale and/or selling massagers that are covered by one or more claims of the ‘108 Patent, including, but not limited to the No More Kinks Massager, and by contributing to or inducing others to infringe this patent.

44. Defendant’s activities have been without express or implied license by Plaintiff Confirm.

45. Defendant continues to infringe the ‘108 Patent and, unless enjoined by this Court, will continue to infringe the ‘108 Patent. Plaintiff Confirm has suffered and will continue to suffer irreparable harm for which there is no adequate remedy at law. Accordingly, Plaintiff Confirm is entitled to temporary, preliminary, and/or permanent injunctive relief against such infringement pursuant to 35 U.S.C. section 283.

46. As a result of Defendant’s infringement of the ‘108 Patent, Plaintiff Confirm has been and will be damaged, and is entitled to be compensated for such damages pursuant to 35 U.S.C. section 284 in an amount that cannot presently be ascertained, but that will be determined at trial.

47. Plaintiff Confirm is informed and believes that Defendant’s past and continuing infringement of the ‘108 Patent has been deliberate and willful, and that this case is therefore an exceptional case which warrants an award of treble damages and attorneys’ fees to Plaintiff Confirm in accordance with 35 U.S.C. section 285.

SIXTH CAUSE OF ACTION

(Infringement of U.S. Patent No. **D435,661** for Massage Device)

48. Plaintiff Chien repeats and re-alleges the allegations of paragraphs 1 through 12 of the Complaint as if fully set forth herein.

49. Plaintiff Chien is the sole owner and/or assignee of United States Patent No. **D435,661** (the “‘661 Patent”) for a Massage Device. The application for the ‘661 Patent was filed on June 6, 2000, and on December 26, 2000, the ‘661 Patent issued.

50. Defendant BATH has infringed and continues to infringe the ‘661 Patent, in violation of 35 U.S.C. section 271, by making, using, importing, offering for sale and/or selling massagers that are covered by one or more claims of the ‘661 Patent, including, but not limited to the No More Kinks Massager, and by contributing to or inducing others to infringe this patent.

51. Defendant’s activities have been without express or implied license by Plaintiff Chien.

52. Defendant continues to infringe the ‘661 Patent and, unless enjoined by this Court, will continue to infringe the ‘661 Patent. Plaintiff Chien has suffered and will continue to suffer irreparable harm for which there is no adequate remedy at law. Accordingly, Plaintiff Chien is entitled to temporary, preliminary, and/or permanent injunctive relief against such infringement pursuant to 35 U.S.C. section 283.

53. As a result of Defendant’s infringement of the ‘661 Patent, Plaintiff Chien has been and will be damaged, and is entitled to be compensated for such damages pursuant to 35 U.S.C. section 284 in an amount that cannot presently be ascertained, but that will be determined at trial.

54. Plaintiff Chien is informed and believes that Defendant’s past and continuing infringement of the ‘661 Patent has been deliberate and willful, and that this case is therefore an exceptional case which warrants an award of treble damages and attorneys’ fees to Plaintiff Chien in accordance with 35 U.S.C. section 285.

PRAYER FOR RELIEF

WHEREFORE, Plaintiffs request that the Court enter judgment in its favor and against Defendant on their Complaint as follows:

ON THE FIRST CAUSE OF ACTION:

A. Declaring that the D449,450 Patent is valid and enforceable, and that Defendant has infringed, contributorily infringed, and/or induced the infringement of one or more claims of that patent;

B. Granting temporary, preliminary and permanent injunctive relief enjoining Defendant and its officers, agents, representatives, distributors, wholesalers, retailers, licensees, servants, employees, affiliates, parent or subsidiary corporations, attorneys, and all those in privity or acting in concert with Defendant, from further infringing, contributing to and/or inducing the infringement of the D449,450 Patent;

C. Awarding damages to Plaintiff Chien adequate to compensate Plaintiff Chien for Defendant's acts of infringement, together with interest thereon, and an increase in the amount of damages to three times the amount found or assessed by this Court because of the willful and deliberate nature of Defendant's acts, as provided by 35 U.S.C. section 284, in an amount to be proven at trial;

D. Awarding Plaintiff Chien's costs incurred in this action, together with reasonable attorneys' fees;

E. Granting such other and further relief as this Court may deem just and proper.

ON THE SECOND CAUSE OF ACTION:

A. Declaring that the 6,735,808 Patent is valid and enforceable, and that Defendant has infringed, contributorily infringed, and/or induced the infringement of one or more claims of that patent;

B. Granting temporary, preliminary and permanent injunctive relief enjoining Defendant and its officers, agents, representatives, distributors, wholesalers, retailers, licensees, servants, employees, affiliates, parent or subsidiary corporations, attorneys, and all those in privity or acting in concert with

1 Defendant, from further infringing, contributing to and/or inducing the infringement of the 6,735,808
2 Patent;

3 C. Awarding damages to Plaintiff Chien adequate to compensate Plaintiff Chien for
4 Defendant's acts of infringement, together with interest thereon, and an increase in the amount of
5 damages to three times the amount found or assessed by this Court because of the willful and deliberate
6 nature of Defendant's acts, as provided by 35 U.S.C. section 284, in an amount to be proven at trial;

7 D. Awarding Plaintiff Chien's costs incurred in this action, together with reasonable
8 attorneys' fees;

9 E. Granting such other and further relief as this Court may deem just and proper.
10

11 **ON THE THIRD CAUSE OF ACTION:**

12 A. Declaring that the 6,098,233 Patent is valid and enforceable, and that Defendant has
13 infringed, contributorily infringed, and/or induced the infringement of one or more claims of that patent;

14 B. Granting temporary, preliminary and permanent injunctive relief enjoining Defendant and
15 its officers, agents, representatives, distributors, wholesalers, retailers, licensees, servants, employees,
16 affiliates, parent or subsidiary corporations, attorneys, and all those in privity or acting in concert with
17 Defendant, from further infringing, contributing to and/or inducing the infringement of the 6,098,233
18 Patent;

19 C. Awarding damages to Plaintiff Confirm adequate to compensate Plaintiff Confirm for
20 Defendant's acts of infringement, together with interest thereon, and an increase in the amount of
21 damages to three times the amount found or assessed by this Court because of the willful and deliberate
22 nature of Defendant's acts, as provided by 35 U.S.C. section 284, in an amount to be proven at trial;

23 D. Awarding Plaintiff Confirm's costs incurred in this action, together with reasonable
24 attorneys' fees;

25 E. Granting such other and further relief as this Court may deem just and proper.
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ON THE FOURTH CAUSE OF ACTION:

A. Declaring that the D419,681 Patent is valid and enforceable, and that Defendant has infringed, contributorily infringed, and/or induced the infringement of one or more claims of that patent;

B. Granting temporary, preliminary and permanent injunctive relief enjoining Defendant and its officers, agents, representatives, distributors, wholesalers, retailers, licensees, servants, employees, affiliates, parent or subsidiary corporations, attorneys, and all those in privity or acting in concert with Defendant, from further infringing, contributing to and/or inducing the infringement of the D419,681 Patent;

C. Awarding damages to Plaintiff Chien adequate to compensate Plaintiff Chien for Defendant's acts of infringement, together with interest thereon, and an increase in the amount of damages to three times the amount found or assessed by this Court because of the willful and deliberate nature of Defendant's acts, as provided by 35 U.S.C. section 284, in an amount to be proven at trial;

D. Awarding Plaintiff Chien's costs incurred in this action, together with reasonable attorneys' fees;

E. Granting such other and further relief as this Court may deem just and proper.

ON THE FIFTH CAUSE OF ACTION:

A. Declaring that the D423,108 Patent is valid and enforceable, and that Defendants have infringed, contributorily infringed, and/or induced the infringement of one or more claims of that patent;

B. Granting temporary, preliminary and permanent injunctive relief enjoining Defendant and their officers, agents, representatives, distributors, wholesalers, retailers, licensees, servants, employees, affiliates, parent or subsidiary corporations, attorneys, and all those in privity or acting in concert with Defendant, from further infringing, contributing to and/or inducing the infringement of the D423,108 Patent;

C. Awarding damages to Plaintiff Confirm adequate to compensate Plaintiff Confirm for Defendant's acts of infringement, together with interest thereon, and an increase in the amount of

1 damages to three times the amount found or assessed by this Court because of the willful and deliberate
2 nature of Defendant's acts, as provided by 35 U.S.C. section 284, in an amount to be proven at trial;

3 D. Awarding Plaintiff Confirm's costs incurred in this action, together with reasonable
4 attorneys' fees;

5 E. Granting such other and further relief as this Court may deem just and proper.
6

7 **ON THE SIXTH CAUSE OF ACTION:**

8 A. Declaring that the D435,661 Patent is valid and enforceable, and that Defendant has
9 infringed, contributorily infringed, and/or induced the infringement of one or more claims of that patent;

10 B. Granting temporary, preliminary and permanent injunctive relief enjoining Defendant and
11 its officers, agents, representatives, distributors, wholesalers, retailers, licensees, servants, employees,
12 affiliates, parent or subsidiary corporations, attorneys, and all those in privity or acting in concert with
13 Defendant, from further infringing, contributing to and/or inducing the infringement of the D435,661
14 Patent;

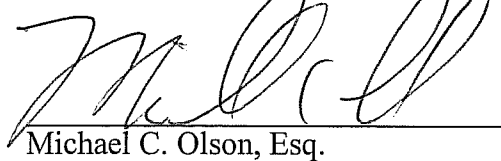
15 C. Awarding damages to Plaintiff Chien adequate to compensate Plaintiff Chien for
16 Defendant's acts of infringement, together with interest thereon, and an increase in the amount of
17 damages to three times the amount found or assessed by this Court because of the willful and deliberate
18 nature of Defendant's acts, as provided by 35 U.S.C. section 284, in an amount to be proven at trial;

19 D. Awarding Plaintiff Chien's costs incurred in this action, together with reasonable
20 attorneys' fees;

21 E. Granting such other and further relief as this Court may deem just and proper.
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23 Dated: February 1, 2007

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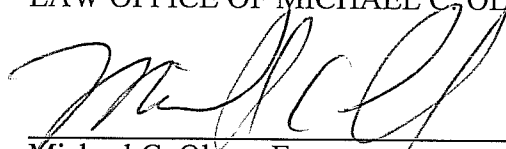
26 Michael C. Olson, Esq.
27 Attorney for PLAINTIFF Kuo-Ching Chien and
28 CONFIRM PERSONAL CARE INDUSTRIAL CORP.

DEMAND FOR JURY TRIAL

Plaintiffs Kuo-Ching Chien and Confirm Personal Care Industrial Corp. hereby demand a trial by jury for all the issues so triable.

Dated: February 1, 2007

LAW OFFICE OF MICHAEL C. OLSON, P.C.



Michael C. Olson, Esq.
Attorney for Plaintiffs Kuo-Ching Chien and Confirm
Personal Care Industrial Corp.

Exhibit “A”



US00D449450B1

(12) **United States Design Patent** (10) Patent No.: **US D449,450 S**
Chen (45) Date of Patent: **** Oct. 23, 2001**

(54) **BRUSH**

(76) Inventor: **Kuo-Chin Chen**, 2-1 Fl., No. 18, Alley
 47, Lane 208, Jui An Street, Ta An
 District, Taipei (TW)

(*) Notice: This patent is subject to a terminal disclaimer.

(**) Term: **14 Years**

(21) Appl. No.: **29/127,453**

(22) Filed: **Aug. 3, 2000**

(51) LOC (7) Cl. **04-01**

(52) U.S. Cl. **D4/120**

(58) Field of Search D4/119, 120, 127,
 D4/132, 134, 137, 138; D28/63; D32/40,
 42; 15/107, 110, 114, 143.1, 159.1, 160,
 186, 187, 209.1, 244.1; 601/136-138

(56) **References Cited**

U.S. PATENT DOCUMENTS

D. 46,208 * 8/1914 Erskine D4/120

D. 166,124 * 3/1952 Pearce D4/120
 D. 253,923 * 1/1980 Usui D4/134
 D. 272,195 * 1/1984 Colemore-Williams D28/63
 D. 423,225 * 4/2000 Chen D4/120
 D. 423,226 * 4/2000 Chen D4/120

* cited by examiner

Primary Examiner—Alan P. Douglas

Assistant Examiner—Lavone Tabor

(74) *Attorney, Agent, or Firm*—Pro-Techtor International
 Services

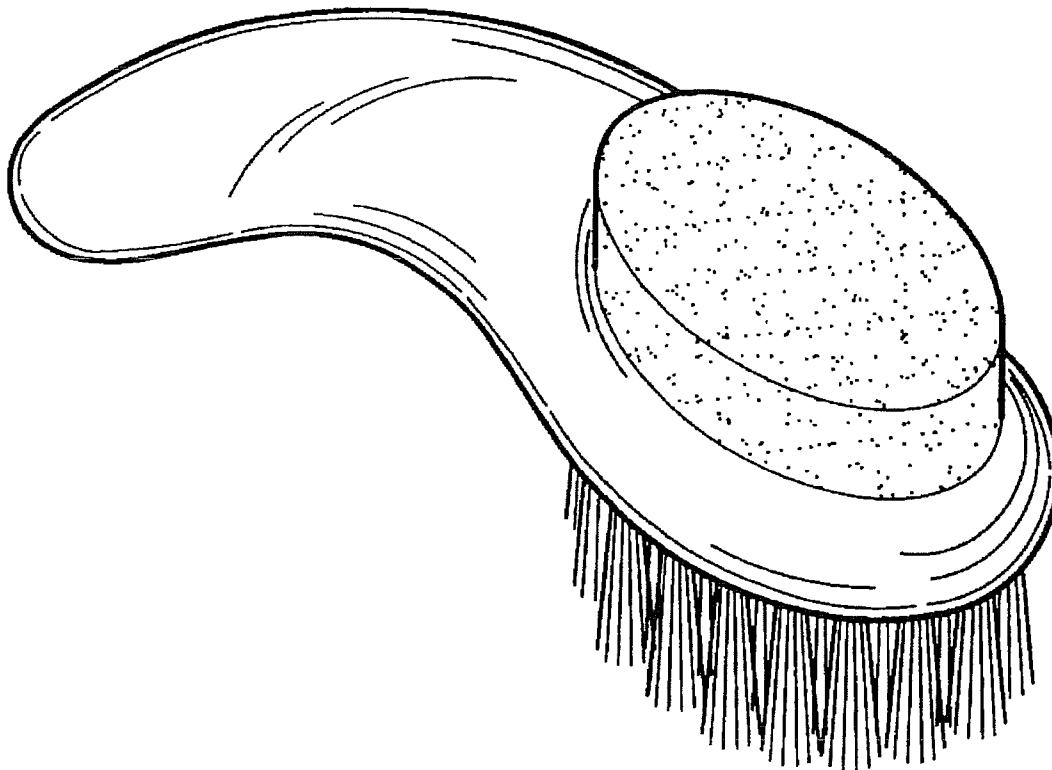
(57) **CLAIM**

The ornamental design for a brush, as shown and described.

DESCRIPTION

FIG. 1 is a front elevation of a brush showing my design;
 FIG. 2 is a left side elevation thereof;
 FIG. 3 is a right side elevation thereof;
 FIG. 4 is a top plan view thereof;
 FIG. 5 is a bottom plan view thereof;
 FIG. 6 is a rear elevation thereof; and,
 FIG. 7 is a perspective view thereof.

1 Claim, 4 Drawing Sheets



U.S. Patent

Oct. 23, 2001

Sheet 1 of 4

US D449,450 S

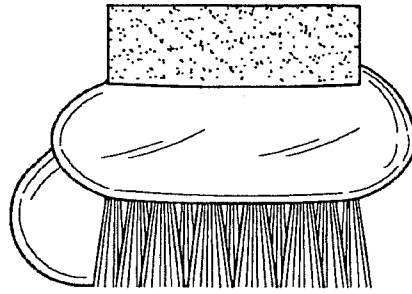


FIG. 1

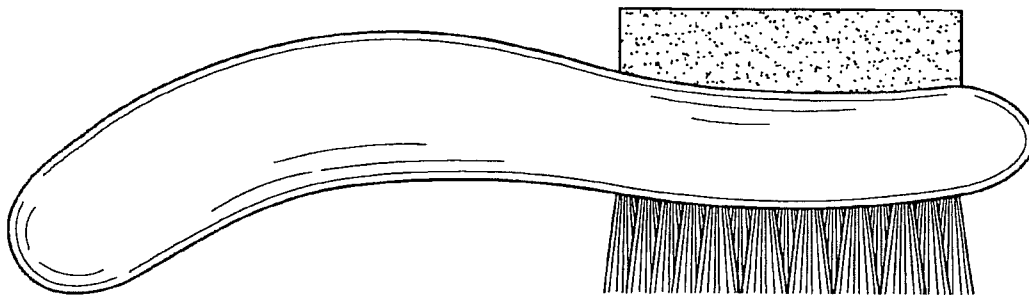


FIG. 2

U.S. Patent

Oct. 23, 2001

Sheet 2 of 4

US D449,450 S

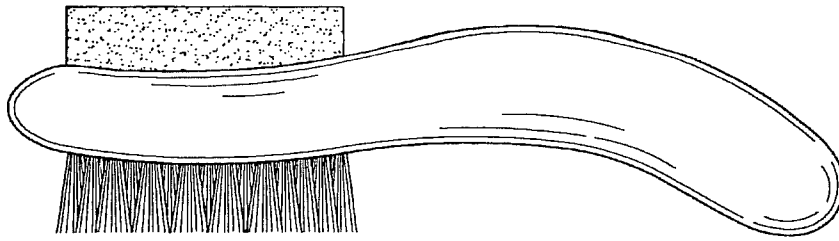


FIG. 3

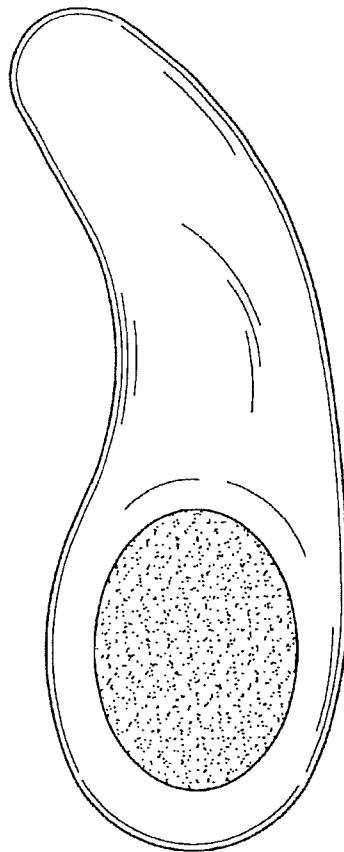


FIG. 4

U.S. Patent

Oct. 23, 2001

Sheet 3 of 4

US D449,450 S

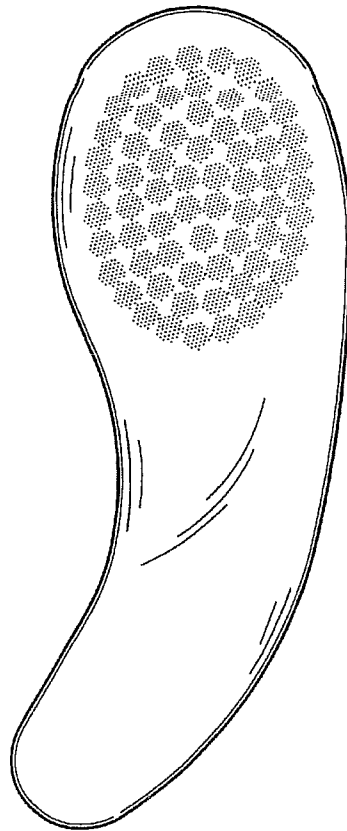


FIG. 5

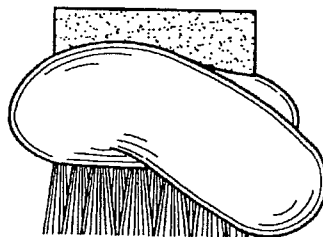


FIG. 6

U.S. Patent

Oct. 23, 2001

Sheet 4 of 4

US D449,450 S

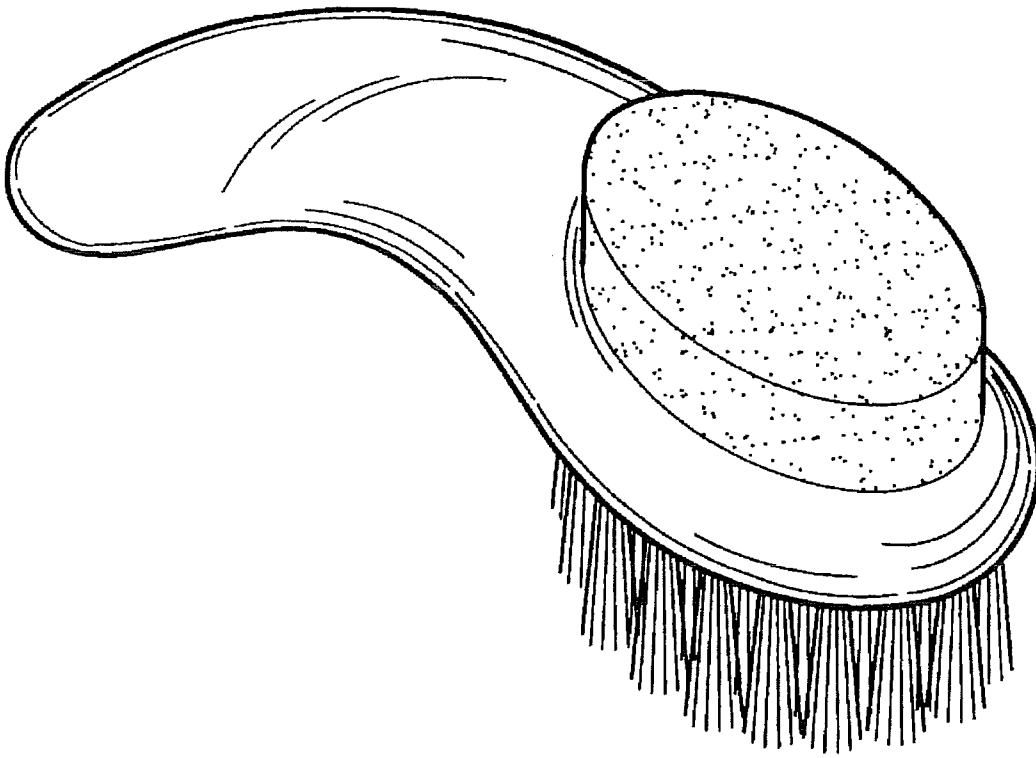


Fig. 7

Exhibit “B”



(12) **United States Patent**
Chen

(10) **Patent No.:** **US 6,735,808 B2**
(45) **Date of Patent:** **May 18, 2004**

(54) **BATH BRUSH**

6,098,233 A * 8/2000 Chen 15/110

(76) Inventor: **Kuo-Chin Chen**, 2F-1, No. 18, Alley
47, Lane 208, Jui An Street, Ta An
District, Taipei (TW)

* cited by examiner

(*) Notice: Subject to any disclaimer, the term of this
patent is extended or adjusted under 35
U.S.C. 154(b) by 93 days.

Primary Examiner—Robert J. Warden, Sr.
Assistant Examiner—S Balsis

(57) **ABSTRACT**

A bath brush includes a main body, a massaging member, and a bristle holder connected to a top of the massaging member. The bristle holder is provided with a plurality of insertion holes for implanting tufted bristles therein and a plurality of through holes for massaging projections integrally formed on the massaging member to upward extend therethrough and expose from the bristle holder. An assembly of the massaging member and the bristle holder is connected to one side of the main body to form a bath brush having massaging projections that do not easily separate therefrom to ensure the brush and massage functions of the bath brush. And, the massaging member may be easily assembled to the bristle holder to enable reduced manufacturing cost of the bath brush.

(21) Appl. No.: **09/945,647**

(22) Filed: **Sep. 5, 2001**

(65) **Prior Publication Data**

US 2003/0041401 A1 Mar. 6, 2003

(51) **Int. Cl.**⁷ **A47K 7/02**

(52) **U.S. Cl.** **15/110; 601/137; 601/138**

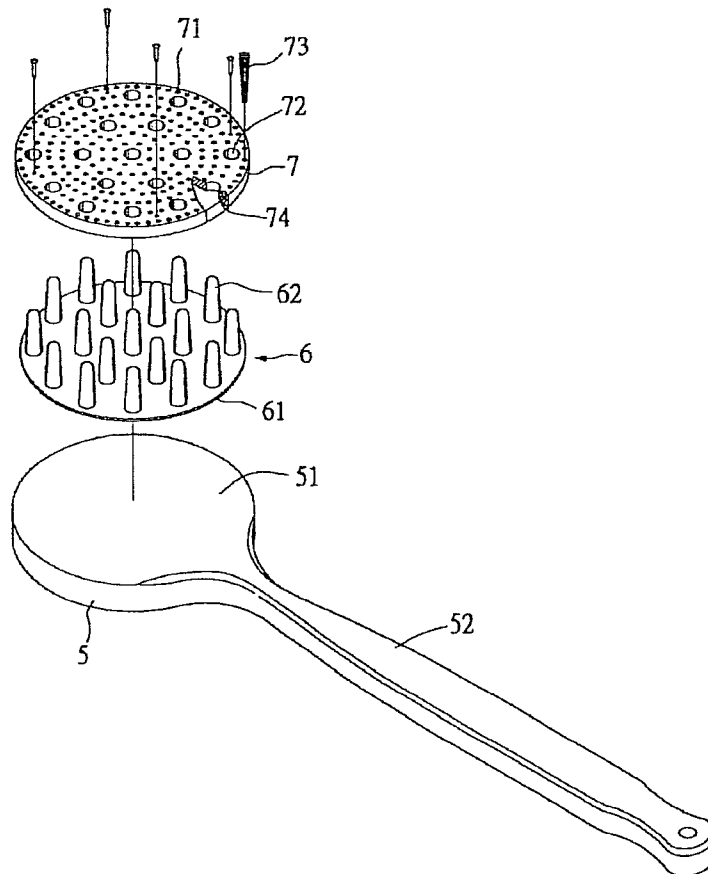
(58) **Field of Search** **15/110, 22.1; 601/137,
601/138, 17, 109, 111, 114, 135; 132/120**

(56) **References Cited**

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5,211,494 A * 5/1993 Baijnath 401/28

6 Claims, 7 Drawing Sheets

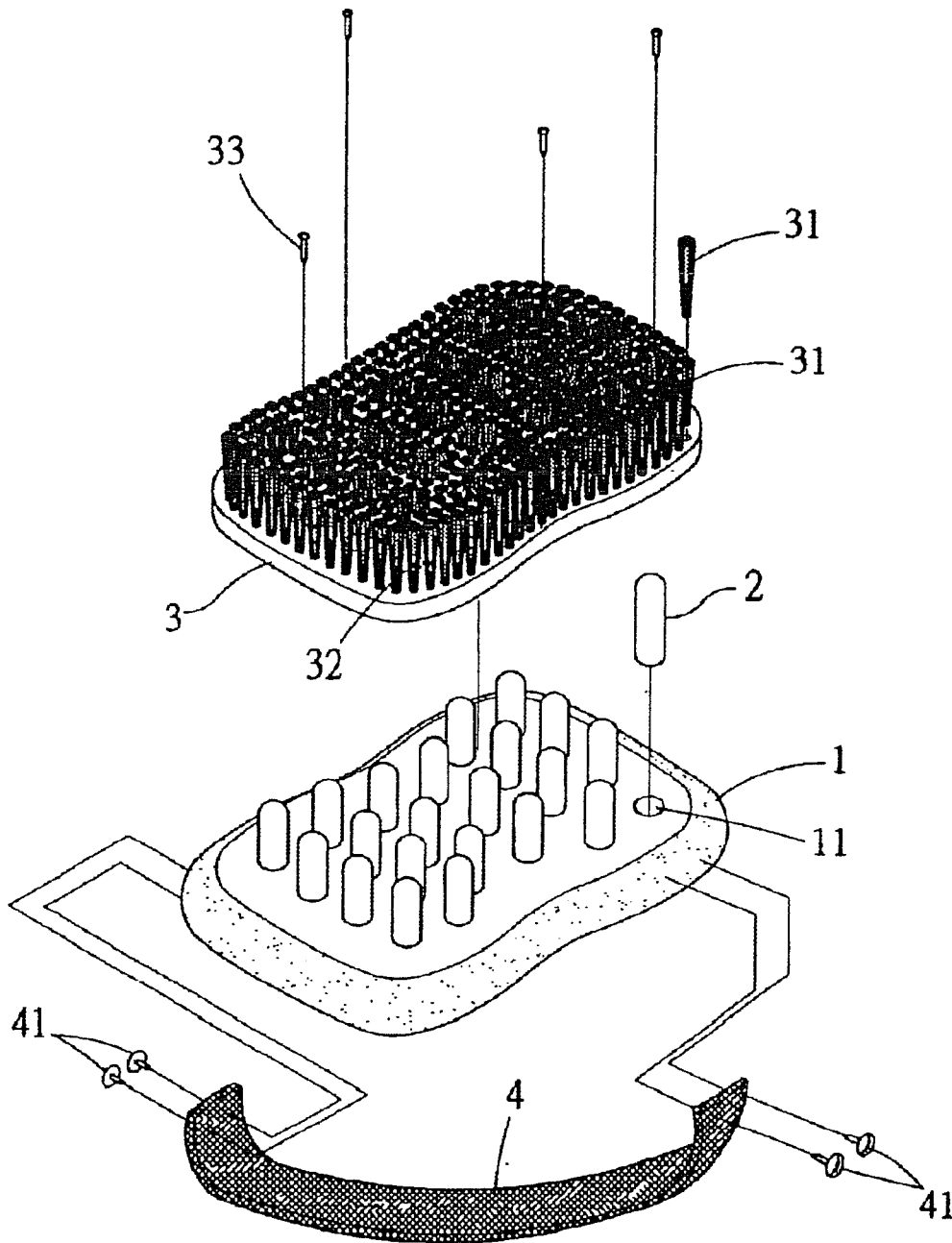


U.S. Patent

May 18, 2004

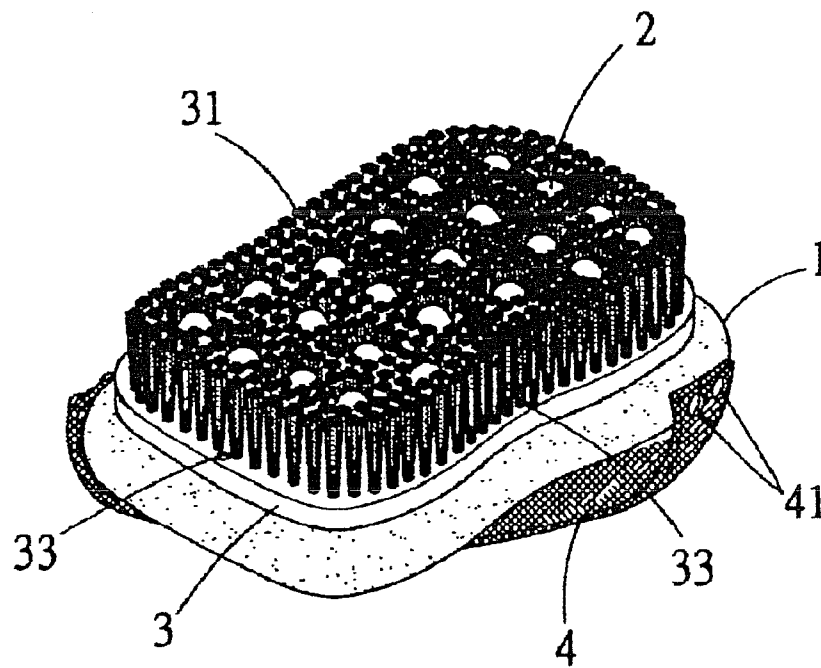
Sheet 1 of 7

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(PRIOR ART)

Fig. 1



(PRIOR ART)

Fig.2

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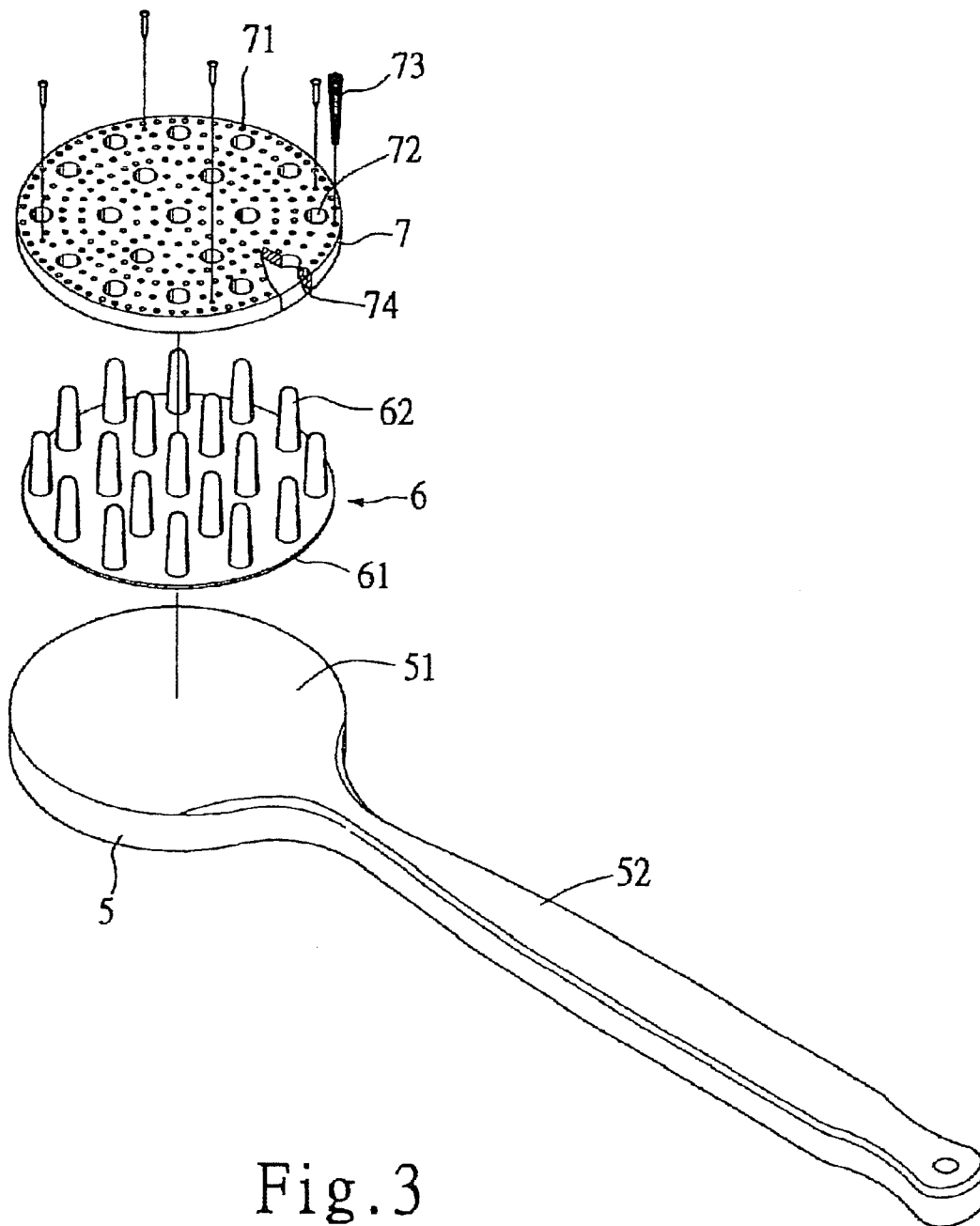


Fig. 3

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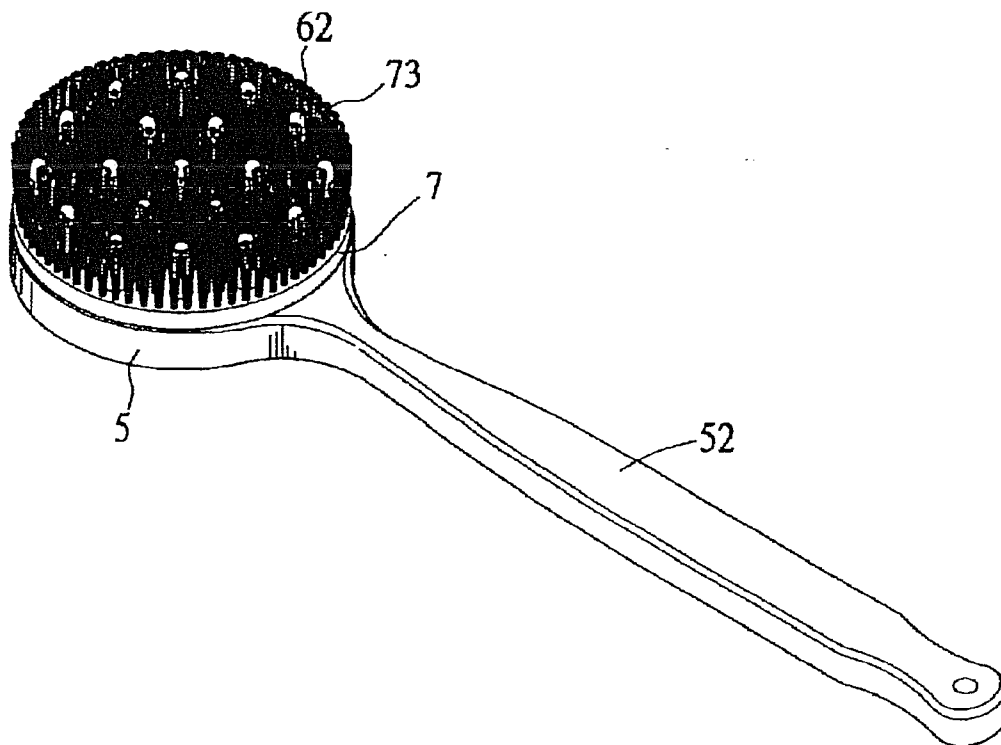


Fig.4

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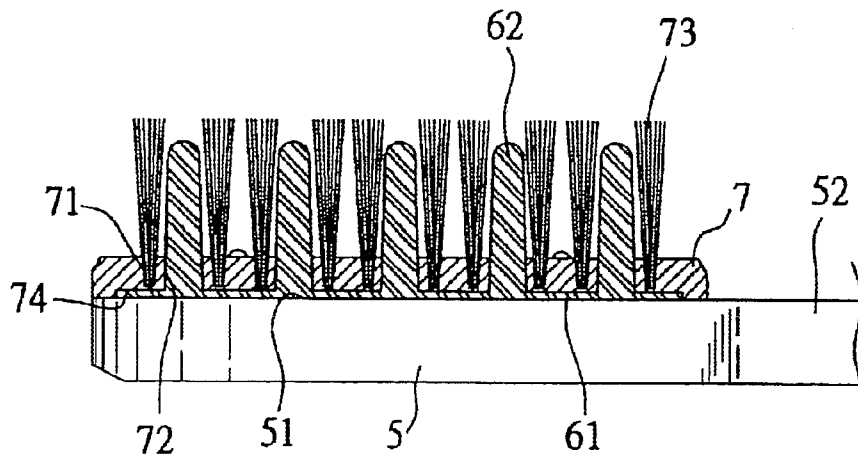


Fig.5

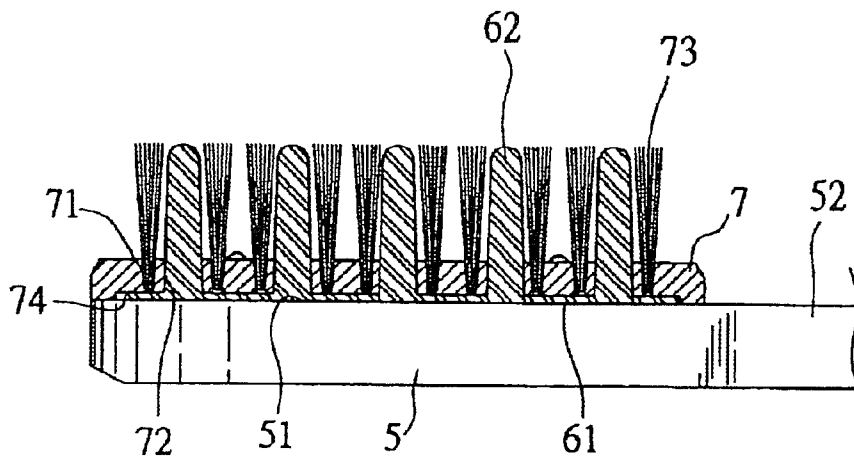


Fig.6

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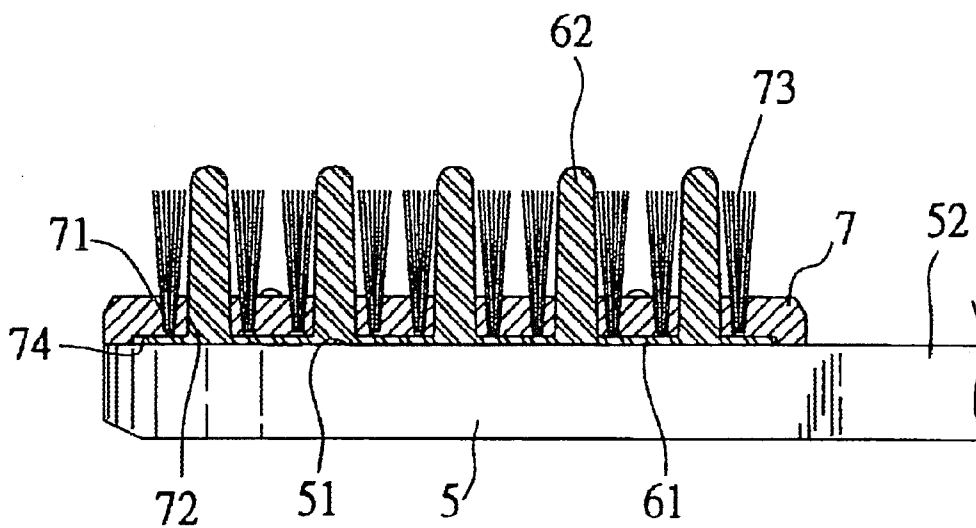


Fig. 7

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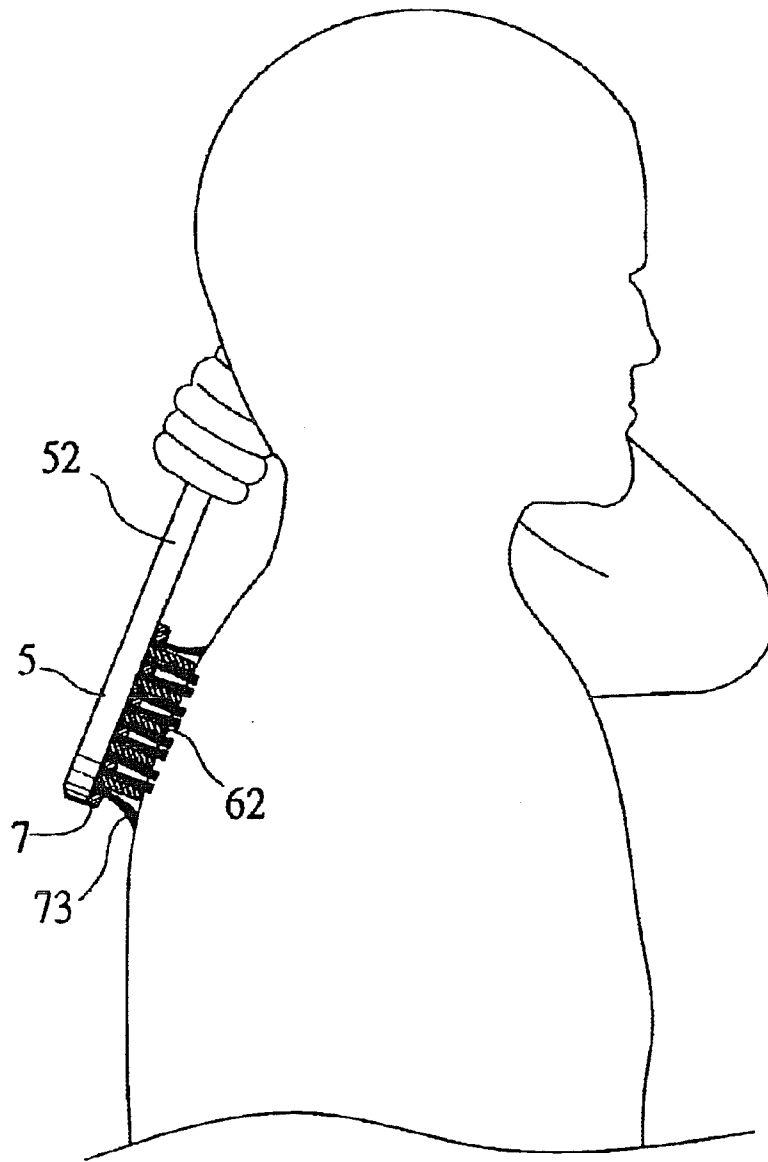


Fig. 8

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BATH BRUSH

BACKGROUND OF THE INVENTION

The present invention relates to a bath brush, and more particularly to a bath brush that includes a massaging member having integrally formed massaging projections to enable quick connection of the massaging member to a bristle holder of the bath brush and reduced manufacturing cost thereof. The integrally formed massaging projections do not easily separate from the bath brush to ensure the brush and massage functions thereof.

Most commercially available bath brushes have a substantially rectangular configuration and include a main body and a plurality of tufted bristles with adequate softness densely implanted on a surface of the main body. Such conventional bath brushes are only adapted to brush and clean a user's skin without other functions and do not provide comfortable feeling when they touch the user's skin.

U.S. Pat. No. 6,098,233 granted to the same inventor of the present invention discloses a bath brush as shown in FIGS. 1 and 2. The bath brush of U.S. Pat. No. 6,098,233 mainly includes a main body 1 and a bristle holder 3. The main body 1 is provided at a top surface with a plurality of round recesses 11, each of which has a massaging bar 2 inserted and bonded therein. The massaging bar 2 has a substantially semispherical top end.

The main body 1 is provided at a bottom side with a belt 4, two ends of which is fixed to two lateral sides of the main body 1 by means of nails 41, so that a space is left between the belt 4 and the bottom side of the main body 1 for a user's hand to extend therethrough for holding the bath brush. The bristle holder 3 is connected to a top surface of the main body 1 by means of nails 33 or a bonding agent. A plurality of bristles 31 are implanted on a top surface of the bristle holder 3. The bristle holder 3 is also provided with through holes 31 for the massaging bars 2 to upward extend therethrough.

To produce the above-described bath brush, the massaging bars 2 are inserted one by one into the recesses 11 preformed on the main body 1. This production manner is time-consuming and requires increased manufacturing cost. Moreover, the massaging bars 2 tend to loosen and separate from the main body 1 when the bath brush has been used to brush the user's skin to and fro over a long time.

It is therefore tried by the inventor to develop an improved bath brush having a massaging member with integrally formed massaging projections, so that the bath brush could be quickly assembled at reduced time and labor costs and the massaging member thereof is more effective and durable for use.

SUMMARY OF THE INVENTION

A primary object of the present invention is to provide a bath brush having a plurality of massaging projections that do not easily loosen and separate from the brush to ensure the clean and massage functions of the bath brush.

Another object of the present invention is to provide a bath brush having an integrally formed massaging member that could be quickly assembled to a bristle holder and a main body of the bath brush to reduce labor and time costs and therefore increase the competitive ability of the bath brush in the market.

To achieve the above and other objects, the bath brush of the present invention mainly includes at least a main body,

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a massaging member, and a bristle holder connected to a top of the massaging member. The bristle holder is provided with a plurality of insertion holes for implanting tufted bristles therein and a plurality of through holes for massaging projections integrally formed on the massaging member to upward extend therethrough and expose from the bristle holder. An assembly of the massaging member and the bristle holder is connected to one side of the main body to form a bath brush having massaging projections that do not easily separate from the bath brush to ensure the brush and massage functions of the bath brush. And, the bath brush may be easily assembled from the main body, the massaging member, and the bristle holder to enable reduced manufacturing cost and increased competitive ability of the bath brush.

Further scope of the applicability of the present invention will become apparent from the detailed description given hereinafter. However, it should be understood that the detailed description and specific examples, while indicating preferred embodiments of the invention, are given by way of illustration only, since various changes and modifications within the spirit and scope of the invention will become apparent to those skilled in the art from this detailed description.

BRIEF DESCRIPTION OF THE DRAWINGS

The structure and the technical means adopted by the present invention to achieve the above and other objects can best be understood by referring to the following detailed description of the preferred embodiments and the accompanying drawings, which are given by way of illustration only, and thus are not limitative of the present invention, and wherein

FIG. 1 is an exploded perspective view of a conventional bath brush;

FIG. 2 is an assembled perspective view of the bath brush of FIG. 1;

FIG. 3 is an exploded perspective view of a bath brush according to the present invention;

FIG. 4 is an assembled perspective view of the bath brush of FIG. 3;

FIG. 5 is a partially sectioned side view of a bath brush according to a preferred embodiment of the present invention;

FIG. 6 is a partially sectioned side view of a bath brush according to another embodiment of the present invention;

FIG. 7 is a partially sectioned side view of a bath brush according to a further embodiment of the present invention; and

FIG. 8 is a schematic view showing the use of the bath brush of the present invention.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Please refer to FIGS. 3 and 4 that are exploded and assembled perspective views, respectively, of a bath brush according to the present invention. As shown, the bath brush mainly includes a main body 5, a massaging member 6, and a bristle holder 7.

The main body 5 includes a head portion 51 and a long handle portion 52 extended from one side of the head portion 51.

The massaging member 6 is an integrally formed member having a flexible bed 61 and a plurality of cylindrical

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massaging projections 62 upward extended from a top surface of the flexible bed 61.

The bristle holder 7 is preformed at a top surface with a plurality of round insertion holes 71, into each of which tufted bristles 73 are implanted, and a plurality of through holes 72 distributed among the insertion holes 71 corresponding to the massaging projections 62 on the massaging member 6 for the massaging projections 62 to separately extend therethrough and expose from the bristle holder 7. Moreover, the bristle holder 7 is provided along a bottom periphery with a circle of setting groove 74 for receiving an outer periphery of the flexible bed 61 of the massaging member 6 therein.

With the arrangements, the bath brush may be quickly assembled for use simply by directly upward extending the massaging projections 62 of the massaging member 6 through the through holes 72 on the bristle holder 7 and engaging the outer periphery of the flexible bed 61 into the setting groove 74, and then using fastening means, such as nails, to further connect an assembly of the bristle holder 7 and the massaging member 6 to one side of the head portion 51 of the main body 5 of the bath brush.

FIG. 5 is a partially sectioned side view of a bath brush according to a preferred embodiment of the present invention. In this preferred embodiment, the massaging projections 62 have tops slightly lower than that of the tufted bristles 73. FIG. 6 is a partially sectioned side view of a bath brush according to another embodiment of the present invention, wherein the massaging projections 62 have tops flush with that of the tufted bristles 73; and FIG. 7 is a partially sectioned side view of a bath brush according to a further embodiment of the present invention, wherein the massaging projections 62 have tops slightly higher than that of the tufted bristles 73.

To use the bath brush of the present invention to brush and massage a user's skin, the user needs only to grip at the long handle portion 52 of the main body 5 and apply a force to move the head portion 51 around areas to be cleaned. At this point, the bristles 73 would be slightly bent, allowing the tops of the massaging projections 62 to contact with the skin to massage the same. The bath brush of the present invention is therefore more comfortable for use.

The invention being thus described, it will be obvious that the same may be varied in many ways. Such variations are not to be regarded as a departure from the spirit and scope

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of the invention, and all such modifications as would be obvious to one skilled in the art are intended to be included within the scope of the following claims.

What is claimed is:

1. A bath brush, comprising a main body, a massaging member having a bed with a plurality of integrally formed and upwardly extended massaging projections, the bed and massaging projections being a one-piece element, the bath brush further comprising a bristle holder; said bristle holder being connected to said massaging member to form an assembly for fixing onto a top surface of said main body; and

said bristle holder being performed at a top surface with a plurality of insertion holes, into each of which tufted bristles are implanted, and a plurality of through holes distributed among said insertion holes corresponding to said massaging projections on said massaging member for said massaging projections to separately extend therethrough and expose from said bristle holder without easily separating from said bath brush, the bed of the massaging member being sandwiched between the bristle holder and said main body.

2. The bath brush as claimed in claim 1, wherein said main body includes a long handle extended from one side of said main body for easy grip of said bath brush by a user.

3. The bath brush as claimed in claim 1, wherein said massaging projections of said massaging member have tops slightly lower than that of said tufted bristles after said massaging member has been connected to said bristle holder.

4. The bath brush as claimed in claim 1, wherein said massaging projections of said massaging member have tops flush with that of said tufted bristles after said massaging member has been connected to said bristle holder.

5. The bath brush as claimed in claim 1, wherein said massaging projections of said massaging member have tops slightly higher than that of said tufted bristles after said massaging member has been connected to said bristle holder.

6. The bath brush as claimed in claim 1, wherein said bristle holder is provided along a bottom periphery with a circle of setting groove, and said massaging member being connected to said bristle holder by engaging an outer periphery into said setting groove of said bristle holder.

* * * * *

Exhibit “C”



US006098233A

United States Patent [19]**Chen**{11} **Patent Number:** **6,098,233**{45} **Date of Patent:** **Aug. 8, 2000**{54} **BATH BRUSH WITH MASSAGE MEANS**

5,211,494 5/1993 Baijnath 15/110 X

{75} **Inventor:** **Kuo-Chin Chen**, Taipei, Taiwan**FOREIGN PATENT DOCUMENTS**{73} **Assignee:** **Confirm Personal Care Industrial Corporation**, Taoyuan Hsien, Taiwan

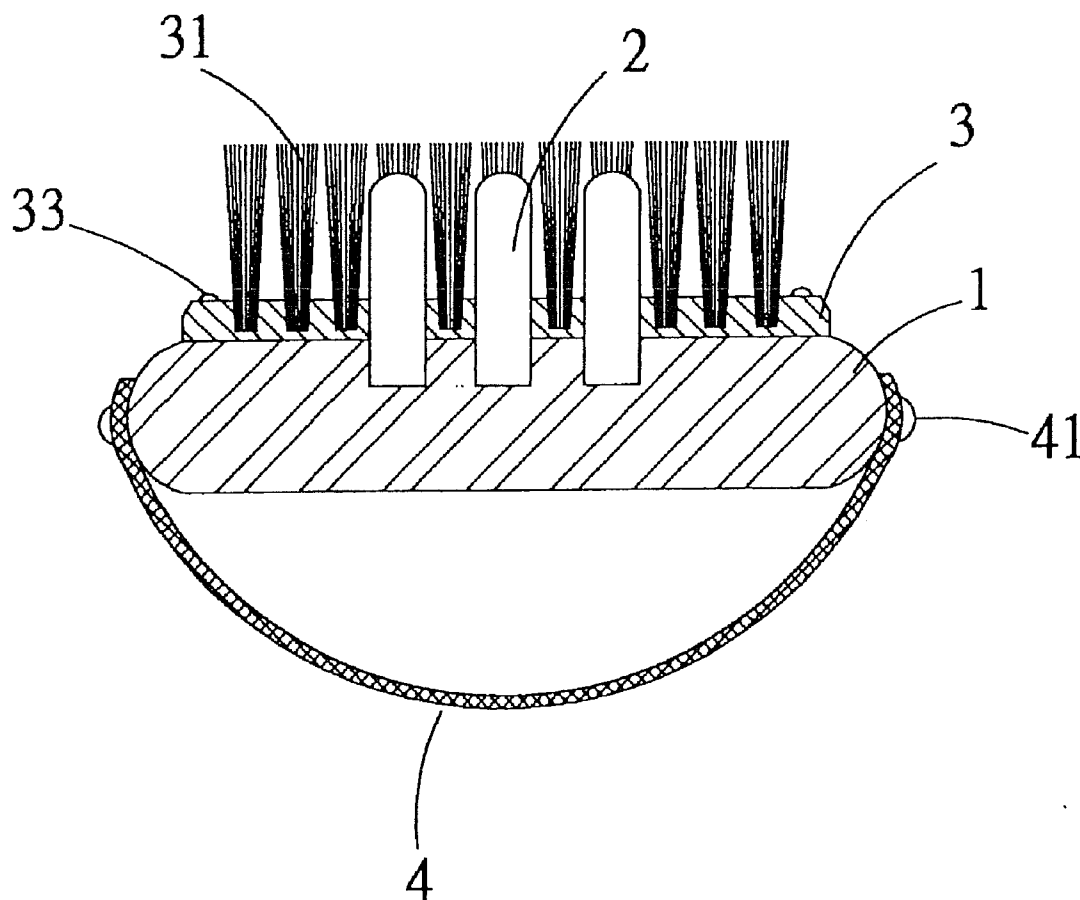
388246 2/1933 United Kingdom 15/110

{21} **Appl. No.:** **09/326,486***Primary Examiner*—Mark Spisich
Attorney, Agent, or Firm—Pro-Techtor International Services{22} **Filed:** **Jun. 4, 1999**{57} **ABSTRACT**{51} **Int. Cl.**⁷ **A47K 7/02**{52} **U.S. Cl.** **15/110; 601/137; 601/138**{58} **Field of Search** **15/110; 132/120; 601/17, 109, 111, 114, 135, 137, 138**

A bath brush including a seat and brush hair holder fixedly connected to an upper surface of the seat. The seat is provided at the upper surface with a plurality of upward extended massage bars. The brush hair holder has a plurality of tufted hairs planted on an upper surface thereof. Positions on the brush hair holder corresponding to the massage bars on the seat are cut out to form through holes for the massage bars to project therefrom and locate among the tufted hairs. The massage bars have tops lower than that of the tufted hairs on the brush hair holder, whereby when the bath brush is used to brush and clean a user's skin, the tufted hairs are elastically bent to bring the massage bars into contact with the skin and gently massage the skin.

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7 Claims, 4 Drawing Sheets

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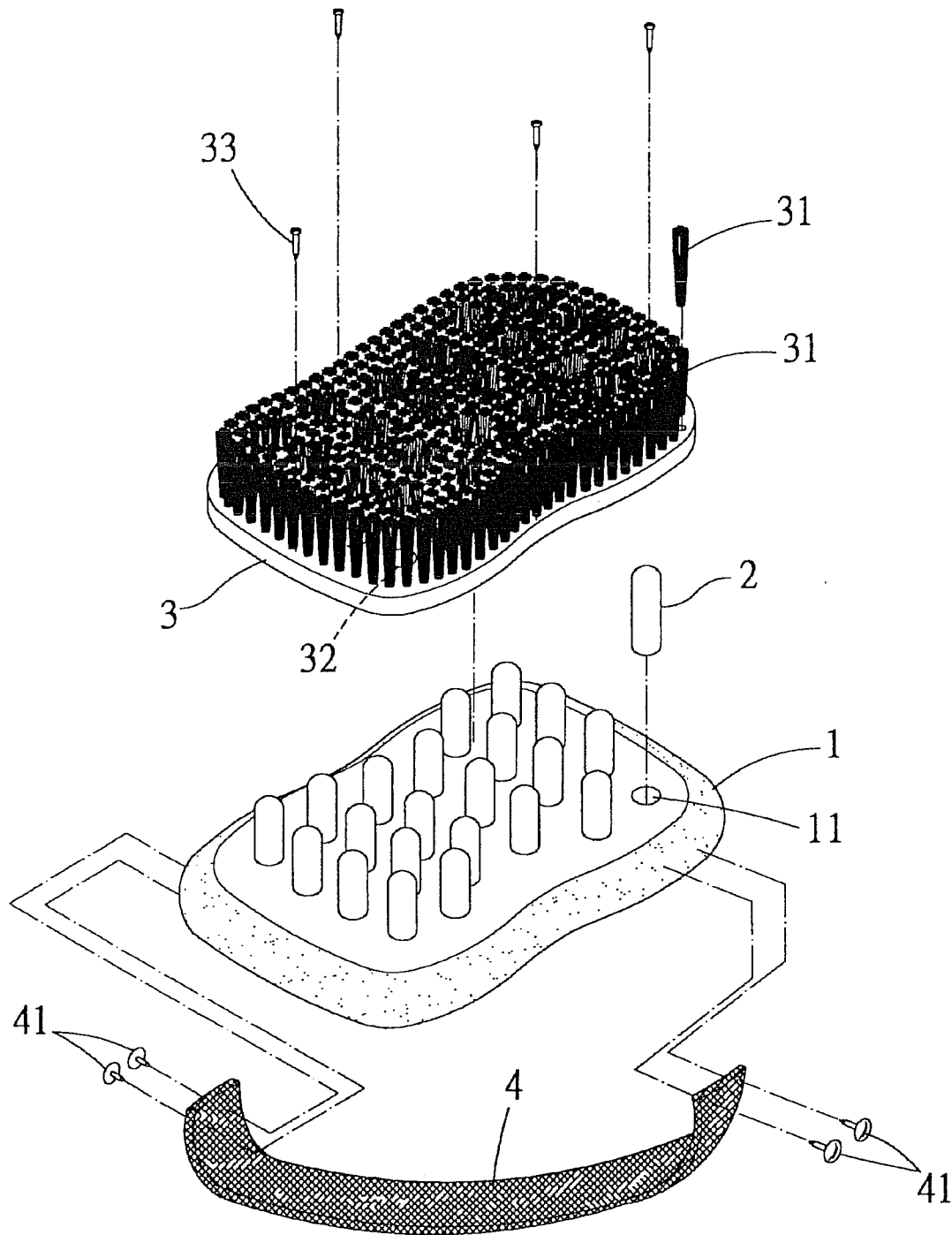


Fig. 1

U.S. Patent

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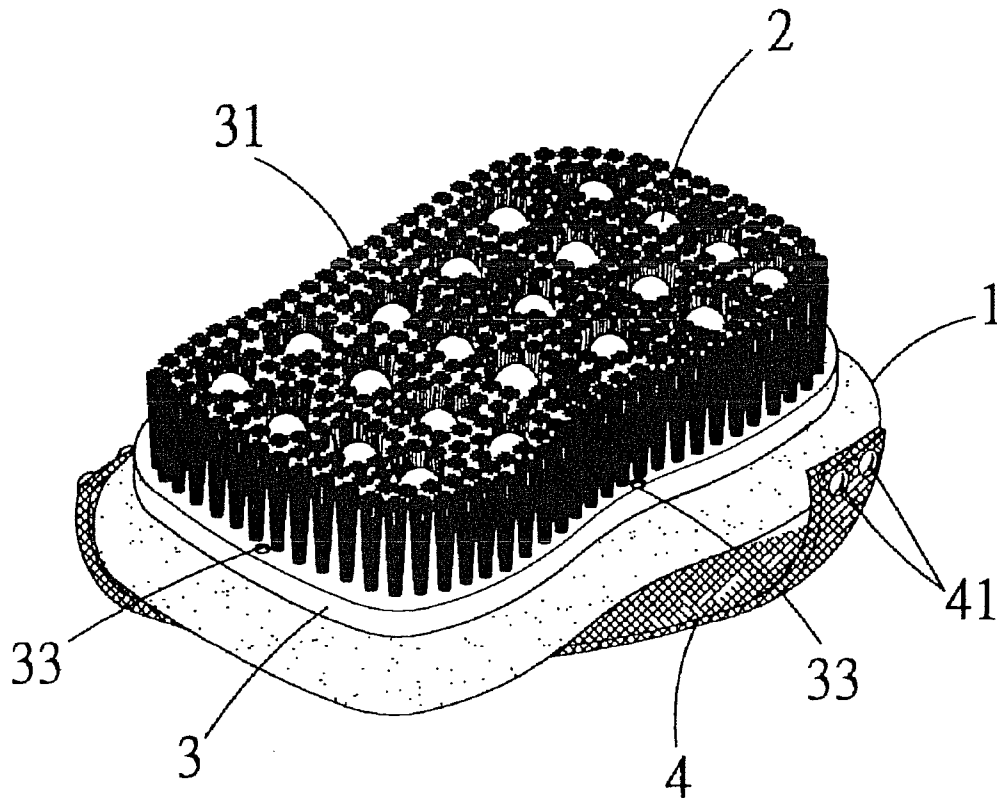


Fig.2

U.S. Patent

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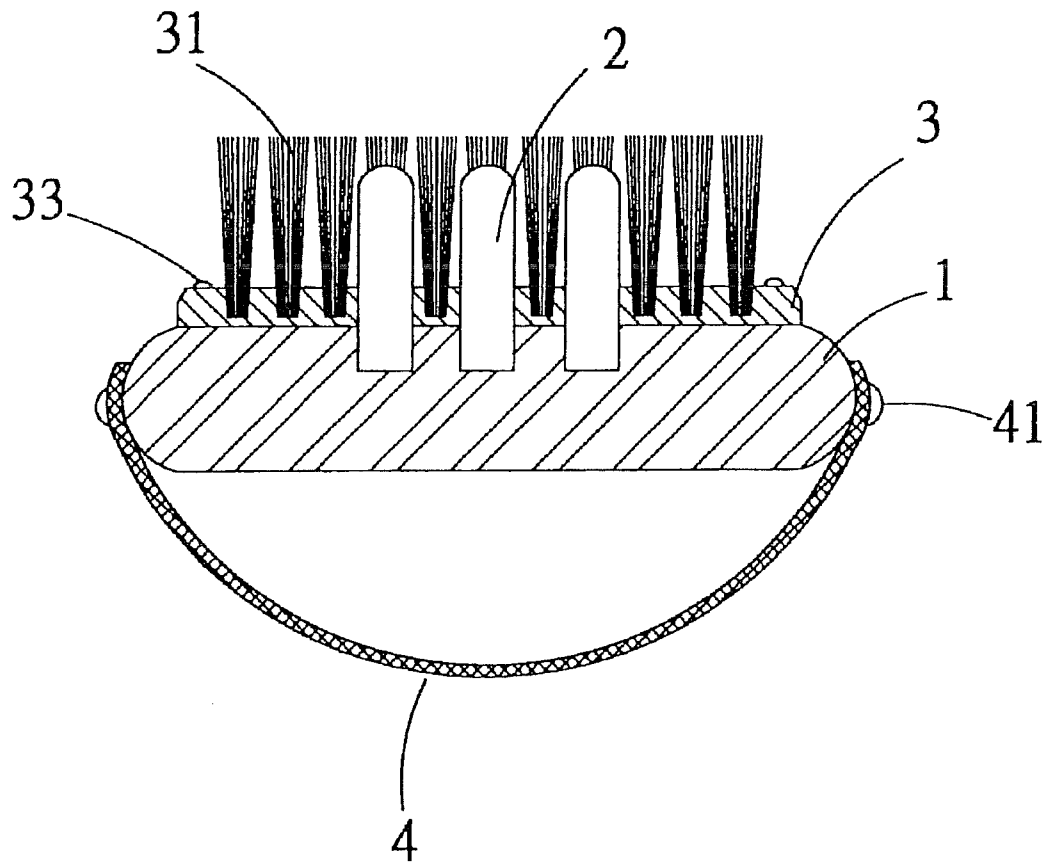


Fig. 3

U.S. Patent

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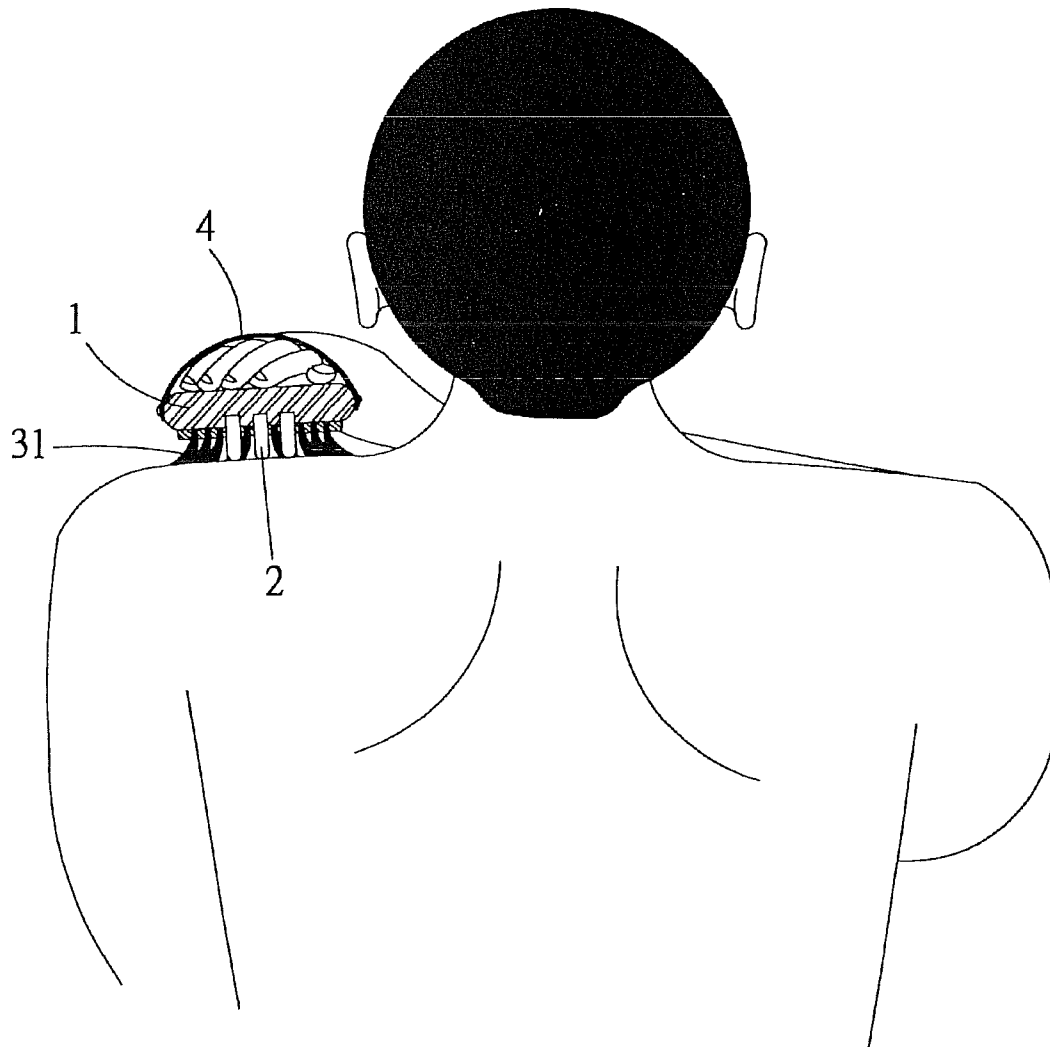


Fig.4

6,098,233

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BATH BRUSH WITH MASSAGE MEANS**BACKGROUND OF THE INVENTION**

The present invention relates to a bath brush, and more particularly to a bath brush being provided with means to enable the bath brush to effectively massage a user's skin while cleansing the skin.

Most of the commercially available bath brushes have a substantially rectangular configuration and a base having tufted soft hairs densely planted over an upper surface thereof. Such conventional bath brushes can be used only to brush and clean skin without other additional functions. Nor do these bath brushes create comfortable feeling when the brush hairs contact with the skin.

To give the conventional bath brushes increased values, other means may be incorporated in the bath brushes to provide additional functions, so that the bath brushes are more practical and more comfortable for use.

SUMMARY OF THE INVENTION

A primary object of the present invention is to provide a bath brush with massage means, so that the bath brush may brush and cleanse a user's skin while gently and comfortably massage the skin.

To achieve the above and other objects, the present invention provides a bath brush having a seat and a brush hair holder fixedly connected to an upper surface of the seat. The seat is provided at the upper surface with a plurality of upward extended massage bars. The brush hair holder has a plurality of tufted hairs planted on an upper surface thereof. Positions on the brush hair holder corresponding to the massage bars on the seat are cut out to form through holes for the massage bars to project therefrom and locate among the tufted hairs. The massage bars have tops lower than that of the tufted hairs on the brush hair holder, whereby when the bath brush is used to brush and clean a user's skin, the tufted hairs are elastically bent to bring the massage bars into contact with the skin and gently massage the skin.

BRIEF DESCRIPTION OF THE DRAWINGS

The structural features of the present invention can be best understood by referring to the following detailed description of the preferred embodiments and the accompanying drawings, wherein

FIG. 1 is an exploded perspective of a bath brush according to the present invention;

FIG. 2 is an assembled perspective of the bath brush of the present invention;

FIG. 3 is a side sectional view of the bath brush of FIG. 2; and

FIG. 4 shows the bath brush of the present invention in use.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Please refer to FIGS. 1 and 2 that are exploded and assembled perspective views, respectively, of a bath brush according to the present invention. As shown, the bath brush mainly includes a seat 1 and a brush hair holder 3.

The seat 1 is provided at an upper surface with a plurality of recess holes 11 into each of which a massage means 2 is inserted and fixed by fastening means, such as glue. The massage means 2 may be a round bar having a substantially semi-spherical top. A belt 4 is fixed at two ends to two lateral

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sides of the seat 1 by means of suitable fastening means 41, such as nails, so that the belt 4 loosely extends across a lower surface of the seat 1 to define a suitable space between the belt 4 and the lower surface of the seat 1 for a user's hand to extend therethrough and hold the bath brush.

The brush hair holder 3 is connected to the upper surface of the seat 1 by fastening means 33, such as nails or glue. A plurality of tufted hairs 31 are planted on an upper surface of the brush hair holder 3. Positions on the brush hair holder 3 corresponding to the massage means 2 on the seat 1 are cut out to form through holes for the massage means 2 to upward extend therethrough.

Please refer to FIG. 3 that is a side sectional view of the bath brush of the present invention. As shown, the massage means 2 have tops that are slightly lower than tops of the tufted hairs 31 on the brush hair holder 3. That is, there is a predetermined distance between the tops of the hairs 31 and of the massage means 2 and the massage means 2 are lower than the tufted hairs 31.

FIG. 4 illustrates the bath brush of the present invention in use. To use the bath brush to brush and cleanse skin, a user may extend one hand through the space between the belt 4 and the lower surface of the seat 1 and hold two lateral sides of the bath brush. The user may apply a minor force on the bath brush while moving the bath brush around the skin, so that the tufted hairs 31 are slightly and elastically bent, causing the tops of the massage means 2 to contact with and massage the skin when the bath brush is moved around on the skin. The semi-spherical tops of the massage means 2 provide comfortable contact of the massage means 2 with the skin.

With these arrangements, the bath brush of the present invention has novel structure and good massage effect and is therefore more practical and comfortable for use.

What is to be noted is the form of the present invention shown and disclosed is to be taken as a preferred embodiment of the invention and that various changes in the shape, size, and arrangements of parts may be resorted to without departing from the spirit of the invention or the scope of the subjoined claims.

What is claimed is:

1. A bath brush comprising a seat and a brush hair holder;

said seat being provided at an upper surface with a plurality of fixedly connected and upward extended massage means;

said brush hair holder being fixedly connected to the upper surface of said seat and having a plurality of tufted hairs planted on an upper surface thereof for brushing and cleansing a user's skin, positions on the upper surface of said brush hair holder corresponding to said massage means on said seat being cut out to form through holes, allowing said massage means to upward project from said through holes on said brush hair holder; and

said massage means projected from said brush hair holder having tops lower than that of said tufted hairs, whereby when said bath brush is pressed against and moved around a user's skin to brush and clean the skin, said tufted hairs are elastically bent to bring said massage means into contact with the user's skin and gently massage the skin.

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2. A bath brush as claimed in claim 1, wherein said seat is provided at the upper surface with a plurality of recess holes for said massage means to insert there into and fix thereto by suitable fastening means.

3. A bath brush as claimed in claim 2, wherein said 5 fastening means is glue.

4. A bath brush as claimed in claim 1, wherein said massage means are in the form of round bars and have semi-spherical tops.

5. A bath brush as claimed in claim 2, wherein said 10 massage means are in the form of round bars and have semi-spherical tops.

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6. A bath brush as claimed in claim 3, wherein said massage means are in the form of round bars and have semi-spherical tops.

7. A bath brush as claimed in claim 1, further comprising a belt extending across a lower surface of said seat with two ends fixed to two lateral sides of said seat by fastening means, so that a space is defined between said belt and said seat for a user's hand to extend therethrough and hold said bath brush.

* * * * *

Exhibit “D”



US00D419681S

United States Patent [19]

Chen

[11] **Patent Number:** Des. 419,681[45] **Date of Patent:** ** Jan. 25, 2000[54] **MESSAGE BALL**

[76] Inventor: **Kuo-Chin Chen**, 2-1 Fl., No.18, Alley
47, Lane 208, Jui An Street, Ta An
District, Taipei, Taiwan

[**] Term: 14 Years

[21] Appl. No.: 29/103,765

[22] Filed: Apr. 21, 1999

[51] **LOC (7) Cl.** 28-03[52] **U.S. Cl.** D24/211; D24/214

[58] **Field of Search** D24/211, 214,
D24/200; 601/118, 124, 131, 134, 135,
136, 137

[56] **References Cited****U.S. PATENT DOCUMENTS**

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720,847	2/1903	Sanford		D24/211 X

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1,539,299	5/1925	Cheney		601/131 X

Primary Examiner—Stella Reid*Attorney, Agent, or Firm*—Pro-Techtor International Services

[57]

CLAIM

The ornamental design for a massage ball, as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of a massage ball, showing my new design, the rear elevational view being a mirror image;

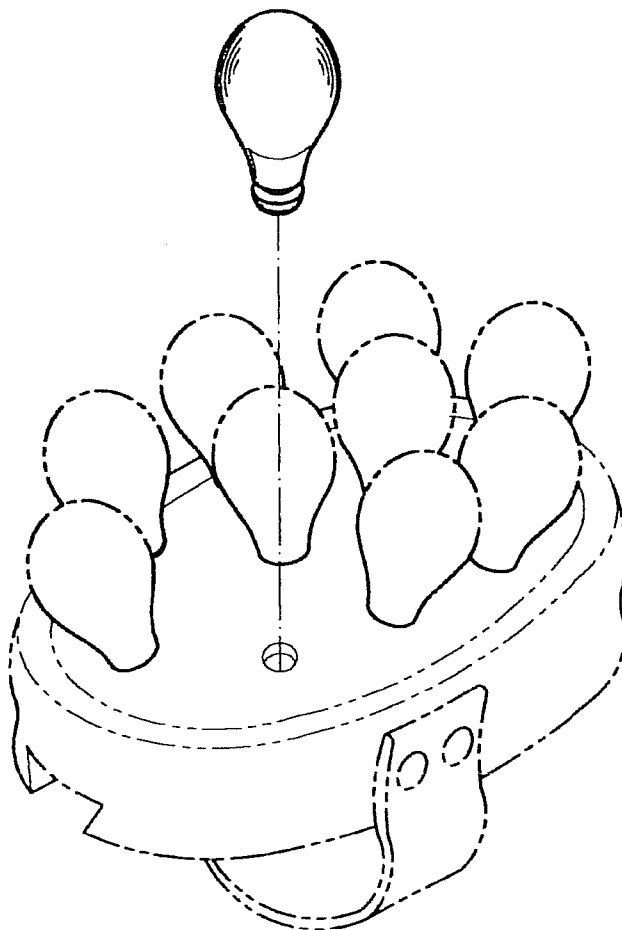
FIG. 2 is a left side elevational view thereof, the right side elevational view being a mirror image;

FIG. 3 is a top plan view thereof;

FIG. 4 is a bottom plan view thereof;

FIG. 5 is a perspective view thereof; and,

FIG. 6 is another perspective view thereof, with the broken line showing of the massaging unit being for illustrative purposes only and forming no part of the claimed design.

1 Claim, 4 Drawing Sheets

U.S. Patent

Jan. 25, 2000

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Des. 419,681

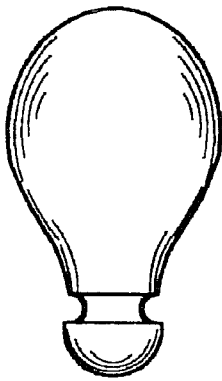


FIG. 1

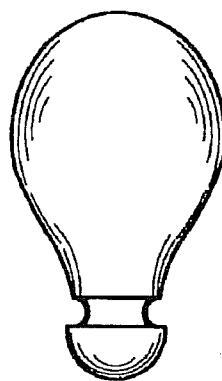


FIG. 2

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Des. 419,681

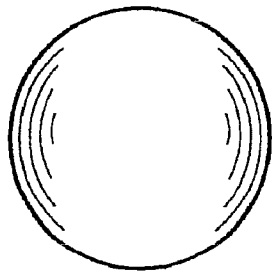


FIG. 3

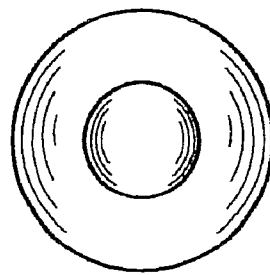


FIG. 4

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Des. 419,681

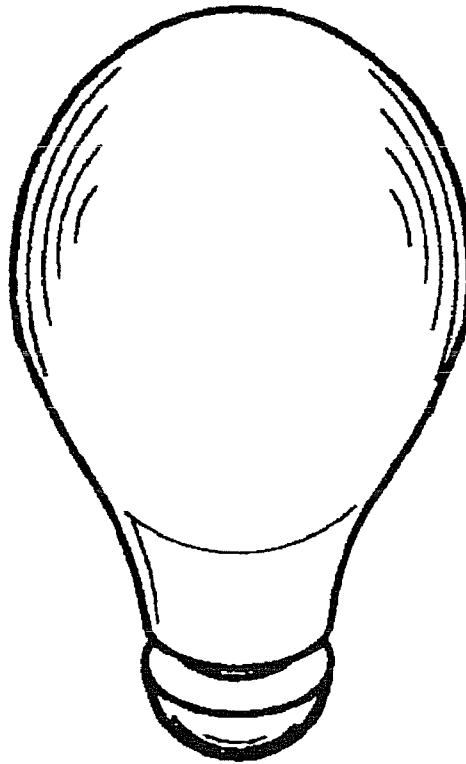


FIG. 5

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Jan. 25, 2000

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Des. 419,681

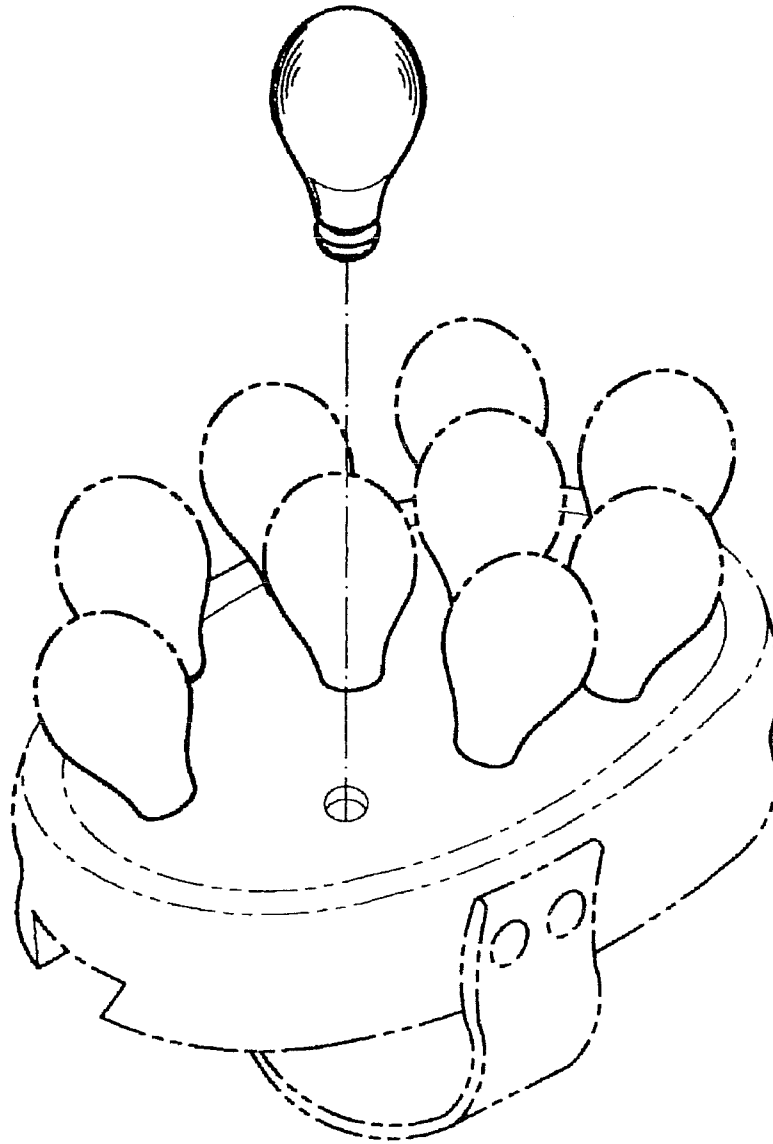


FIG. 6

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : Des. 419,681
DATED : January 25, 2000
INVENTOR(S) : Kuo-Ching Chien

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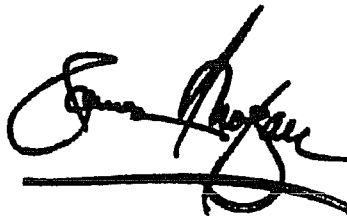
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,

Item [76], Inventor, change "Kuo-Chin Chen" to -- Kuo-Ching Chien --

Signed and Sealed this

Twenty-ninth Day of July, 2003

A handwritten signature in black ink, appearing to read "James E. Rogan", written over a horizontal line.

JAMES E. ROGAN
Director of the United States Patent and Trademark Office

Exhibit “E”



US00D423108S

United States Patent [19]

Chen

[11] **Patent Number:** Des. 423,108[45] **Date of Patent:** ** Apr. 18, 2000[54] **MESSAGE DEVICE**[75] **Inventor:** Kuo-Chin Chen, Taipei, Taiwan[73] **Assignee:** Confirm Personal Care Industrial Corp., Taoyuan Hsien, Taiwan[**] **Term:** 14 Years[21] **Appl. No.:** 29/102,252[22] **Filed:** Mar. 19, 1999[51] **LOC (6) Cl.** 24-04[52] **U.S. Cl.** D24/211[58] **Field of Search** D24/214, 211,
D24/200; 601/118, 131, 134, 135, 136,
137[56] **References Cited****U.S. PATENT DOCUMENTS**

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 D. 381,431 7/1997 Antoskow D24/211

D. 382,971 8/1997 Haldi D24/211
 D. 412,989 8/1999 Chen D24/211
 3,645,257 2/1972 Nakayama 601/135

Primary Examiner—Stella Reid*Attorney, Agent, or Firm*—Pro-Techtor International Services[57] **CLAIM**

The ornamental design for a massage device, as shown and described.

DESCRIPTION

FIG. 1 is a front elevation of a massage device showing my design;

FIG. 2 is a rear elevation thereof;

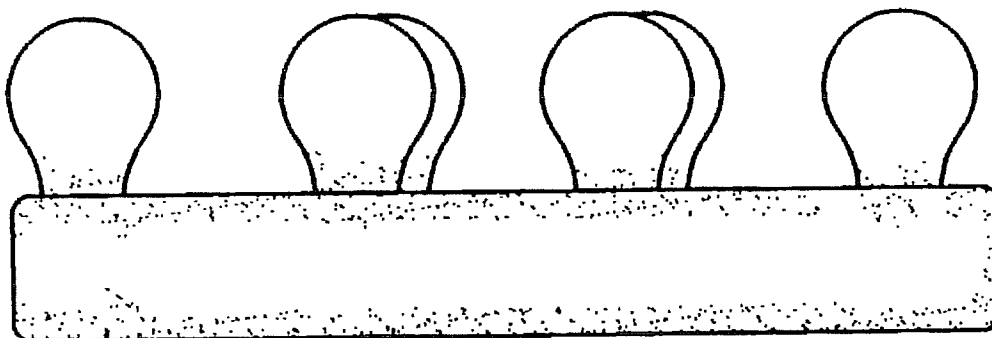
FIG. 3 is a left side elevation thereof;

FIG. 4 is a right side elevation thereof;

FIG. 5 is a top plan elevation thereof;

FIG. 6 is a bottom plan view thereof; and,

FIG. 7 is a perspective plane view thereof.

1 Claim, 4 Drawing Sheets

U.S. Patent

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Des. 423,108

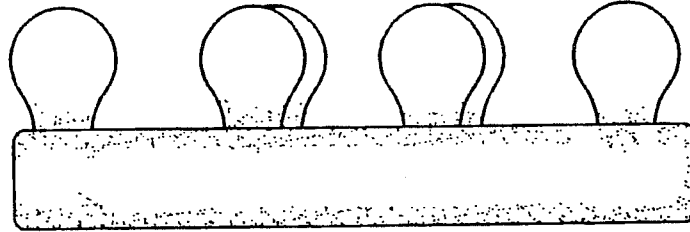


FIG. 1

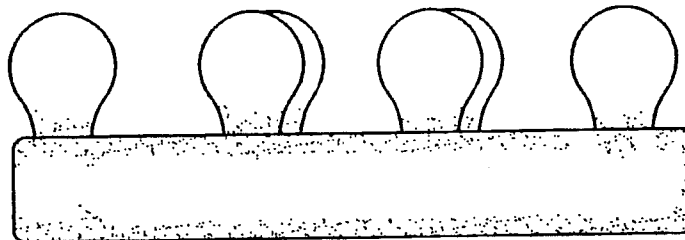


FIG. 2

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Apr. 18, 2000

Sheet 2 of 4

Des. 423,108

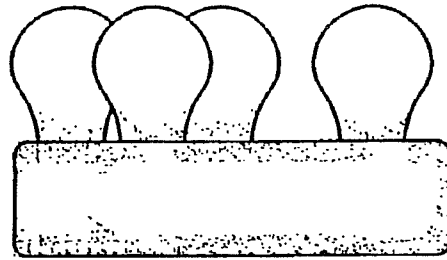


FIG. 3

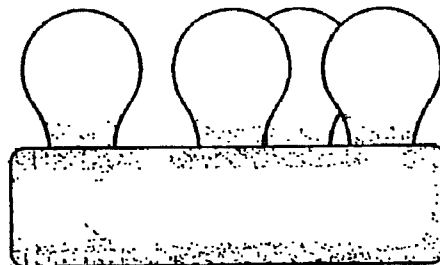


FIG. 4

U.S. Patent

Apr. 18, 2000

Sheet 3 of 4

Des. 423,108

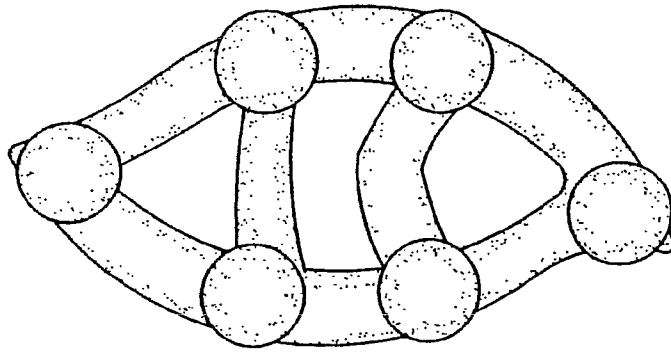


FIG. 5

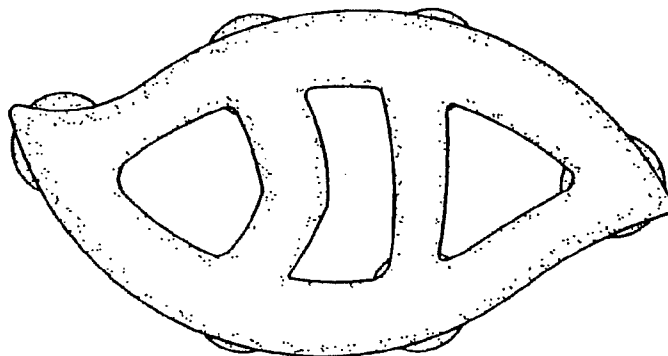


FIG. 6

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Apr. 18, 2000

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Des. 423,108

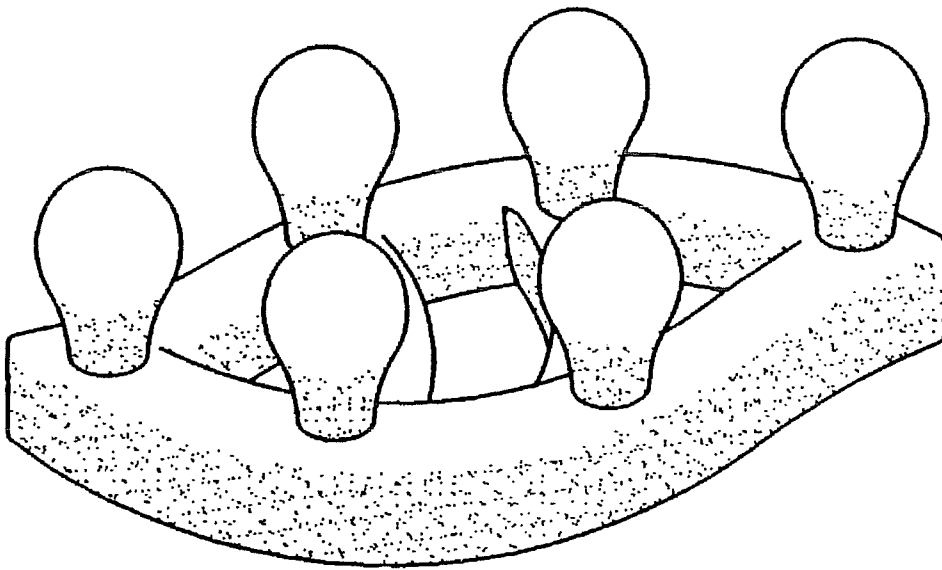


FIG. 7

Exhibit “F”



US00D435661S

United States Patent [19] Chen

[11] Patent Number: Des. 435,661

[45] Date of Patent: ** Dec. 26, 2000

[54] MESSAGE DEVICE

[76] Inventor: **Kuo-Chin Chen**, 2-1 F., No. 18, Alley
47, Lane 208, Jui An Street, Ta An
District, Taipei, Taiwan

[**] Term: 14 Years

[21] Appl. No.: 29/124,425

[22] Filed: Jun. 6, 2000

[51] LOC (7) Cl. 24-04

[52] U.S. Cl. D24/211

[58] Field of Search D24/211, 214,
D24/200; 601/118, 124, 131, 134, 135,
136, 137

[56] References Cited

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D. 419,680	1/2000	Chen		D24/211
D. 419,681	1/2000	Chen		D24/211

Primary Examiner—Stella Reid

Attorney, Agent, or Firm—Michael D. Bednarek; Shaw Pittman

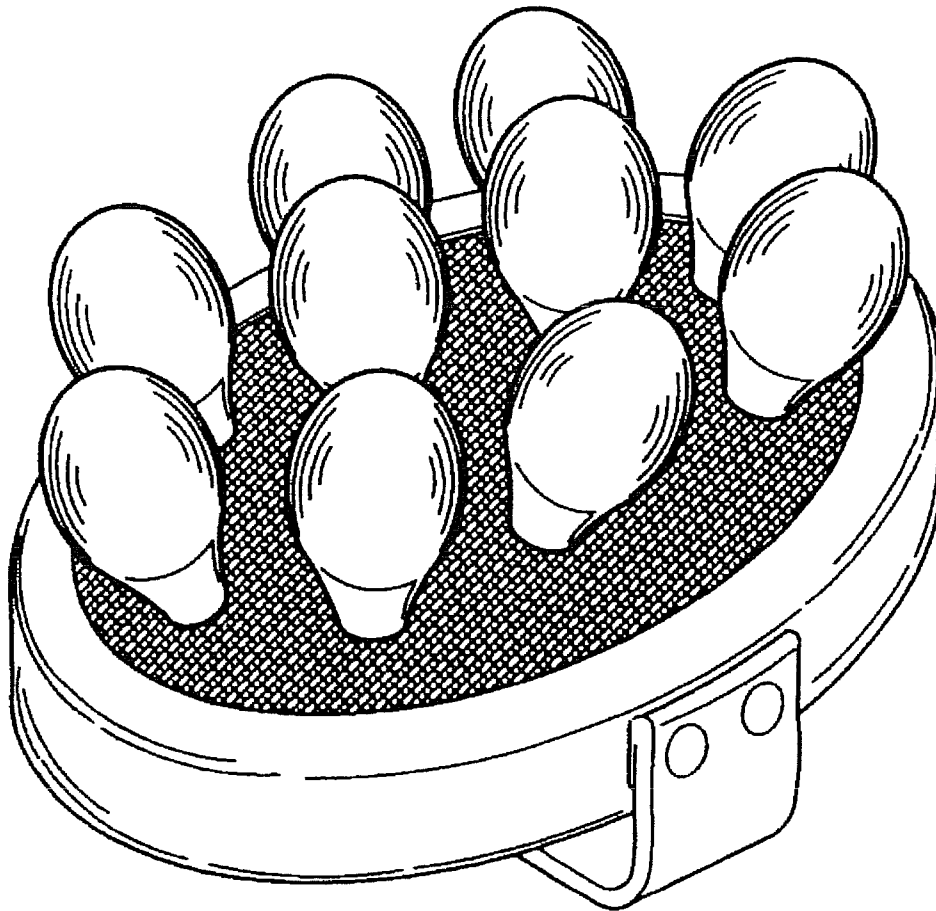
[57] CLAIM

The ornamental design for a message device, as shown and described.

DESCRIPTION

FIG. 1 is a front elevation view of a message device, showing my new design;
FIG. 2 is a left side elevation thereof;
FIG. 3 is a right side elevation thereof;
FIG. 4 is a top plan view thereof;
FIG. 5 is a bottom plan view thereof;
FIG. 6 is a rear elevation thereof; and,
FIG. 7 is a perspective view thereof.

1 Claim, 4 Drawing Sheets



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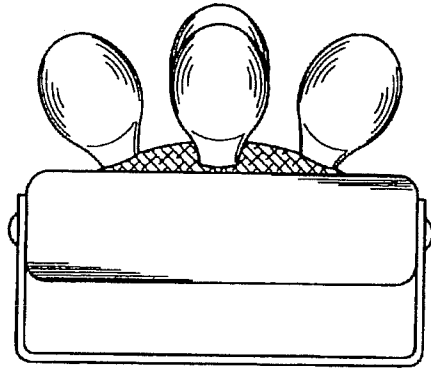


FIG. 1

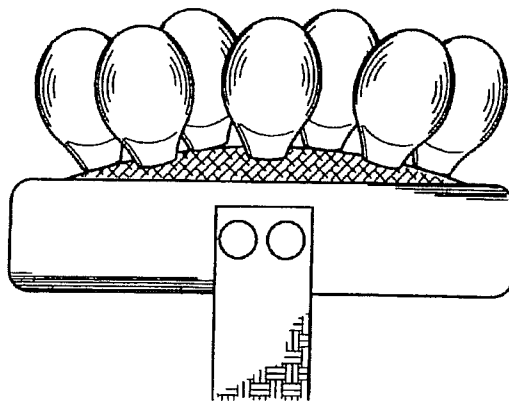


FIG. 2

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Des. 435,661

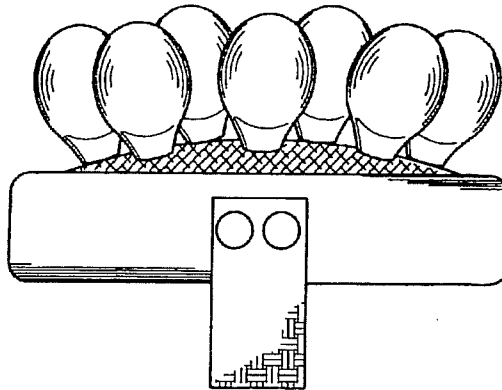


FIG. 3

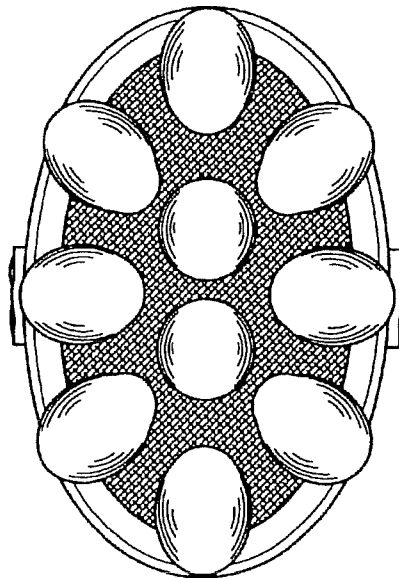


FIG. 4

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Dec. 26, 2000

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Des. 435,661

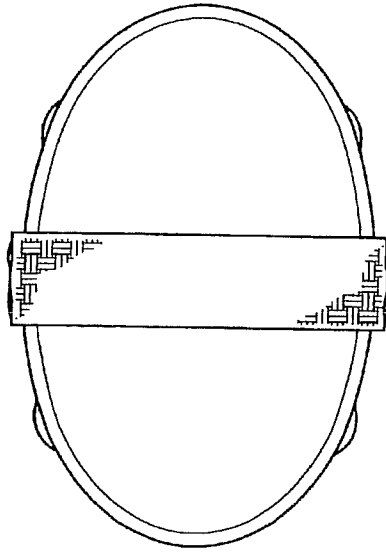


FIG. 5

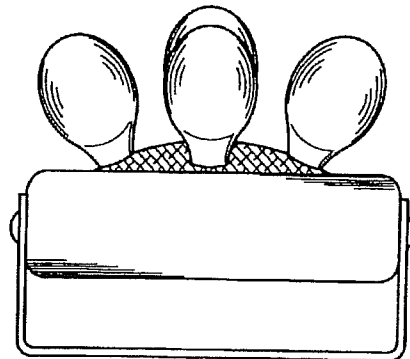


FIG. 6

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Dec. 26, 2000

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Des. 435,661

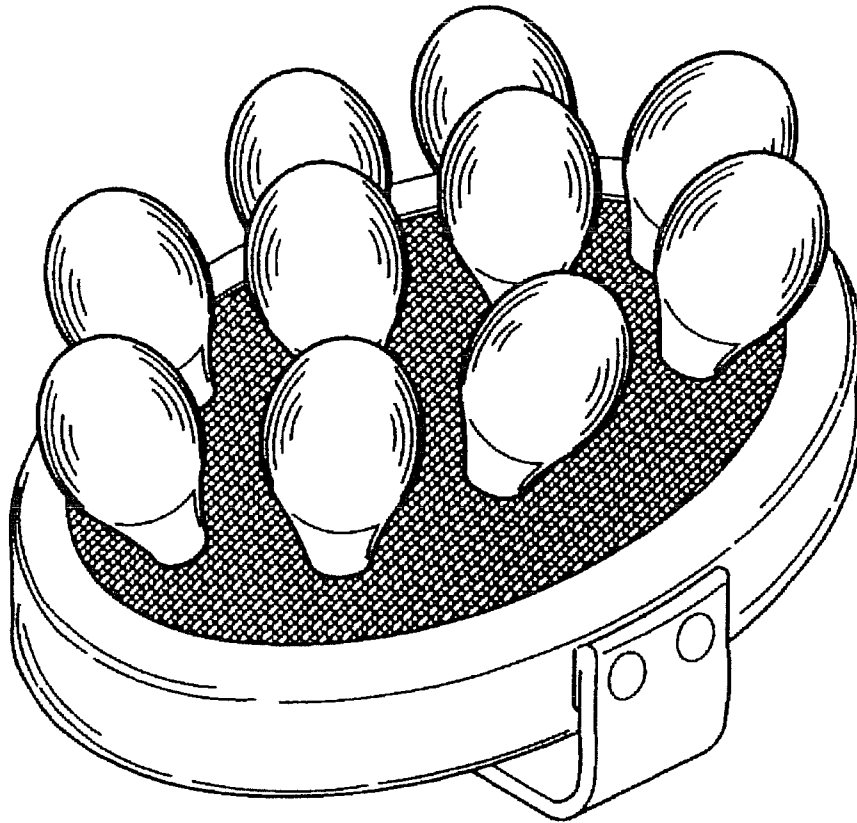


Fig. 7

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

Page 1 of 1

PATENT NO. : Des. 435,661
DATED : December 26, 2000
INVENTOR(S) : Kuo-Ching Chien

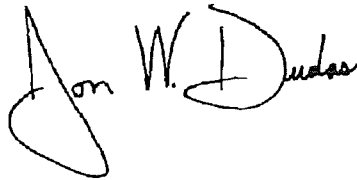
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page.

Item [76], Inventor, please change "Chang Kuo-Chin Chen" to
-- Kuo-Ching Chien --

Signed and Sealed this

Thirteenth Day of April, 2004

A handwritten signature in black ink, reading "Jon W. Dudas". The signature is stylized, with a large loop for the "J" and a cursive "Dudas".

JON W. DUDAS
Acting Director of the United States Patent and Trademark Office