US00D828694S

(12) **United States Design Patent** (10) **Patent No.: US D828,694 S**
Woodard et al. (45) **Date of Patent: ** Sep. 18, 2018**

(54) **HANDHELD SKIN EXFOLIATOR**

(71) Applicant: **WATER PIK, INC.**, Fort Collins, CO (US)

(72) Inventors: **Brian Woodard**, Fort Collins, CO (US); **Michael J. Quinn**, Windsor, CO (US)

(73) Assignee: **Water Pik, Inc.**, Fort Collins, CO (US)

(**) Term: **15 Years**

(21) Appl. No.: **29/560,145**

(22) Filed: **Apr. 4, 2016**

(51) **LOC (11) Cl.** **04-02**

(52) **U.S. Cl.**
USPC **D4/102**

(58) **Field of Classification Search**
USPC D4/100, 114, 115, 116, 133, 127, 128, D4/130, 132, 134, 135, 138, 199; D23/223, 228; D28/63
CPC A47K 7/046; A46B 11/063; A46B 2200/1006; A46B 13/008; A46B 13/06
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,191,860 A * 7/1916 Wesley A46B 13/06 15/29
2,516,778 A * 7/1950 Kreidenweiss A46B 7/04 15/176.2

(Continued)

FOREIGN PATENT DOCUMENTS

BE 893388 10/1982
CN 2140203 8/1993

(Continued)

OTHER PUBLICATIONS

Aquacare rainfall combo, http://www.amazon.com/AquaCare-HotelSpa%C2%AE-Ultra-luxury-Rainfall-Hydrobrush/dp/B00JUTV2VS, retrieved on Dec. 30, 2014.

(Continued)

Primary Examiner — Karen E Eldridge Powers
(74) *Attorney, Agent, or Firm* — Dorsey & Whitney LLP

(57) **CLAIM**

We claim the ornamental design for a handheld skin exfoliator, as shown and described.

DESCRIPTION

FIG. **1** is a front isometric view of a first embodiment of a handheld skin exfoliator.

FIG. **2** is a rear isometric view of the handheld skin exfoliator of FIG. **1**.

FIG. **3** is a front elevation view of the handheld skin exfoliator of FIG. **1**.

FIG. **4** is a rear elevation view of the handheld skin exfoliator of FIG. **1**.

FIG. **5** is a left side elevation view of the handheld skin exfoliator of FIG. **1**.

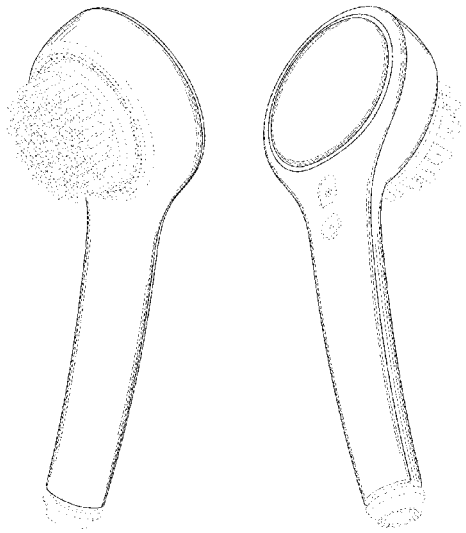
FIG. **6** is a right side elevation view of the handheld skin exfoliator of FIG. **1**.

FIG. **7** is a top plan view of the handheld skin exfoliator of FIG. **1**.

FIG. **8** is a bottom plan view of the handheld skin exfoliator of FIG. **1**; and,

FIG. **9** is an enlarged front elevation view of the handheld skin exfoliator of FIG. **1** and taken along detail **9** of FIG. **3**. The dot-dash lines shown in FIGS. **3** and **9** indicate the bounds of the enlarged detail view of FIG. **9** and do not form a part of the claimed design. The evenly-incremented broken lines illustrate features of the article of manufacture that form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

2,678,457 A * 5/1954 Demo A46B 13/06 15/180
2,682,675 A * 7/1954 Prucha A46B 13/06 15/180
3,864,780 A * 2/1975 Watkins A46B 13/06 15/29
3,910,265 A 10/1975 Coleman
3,927,434 A 12/1975 Burgess
4,089,079 A 5/1978 Nicholson
4,151,623 A 5/1979 Steere
4,228,558 A 10/1980 Zhadanov
4,239,409 A 12/1980 Osrow
4,417,826 A * 11/1983 Floros A46B 13/06 15/29
4,461,052 A 7/1984 Mostul
4,703,536 A 11/1987 Livneh
D295,696 S * 5/1988 Larsen D4/115
4,796,321 A 1/1989 Lee
4,841,590 A 6/1989 Terry et al.
D313,267 S * 12/1990 Lenci D23/213
4,998,836 A * 3/1991 Scripnick B05B 7/30 137/878
5,033,897 A * 7/1991 Chen A46B 11/063 239/117
5,065,463 A 11/1991 Le
5,142,723 A 9/1992 Lusting
5,382,221 A 1/1995 Hsu et al.
5,385,532 A 1/1995 Shyu
D369,026 S * 4/1996 Furbert D23/223
5,561,869 A 10/1996 Sarel
5,647,841 A 7/1997 Groenewold et al.
5,769,802 A 6/1998 Wang
5,891,063 A 4/1999 Vigil
6,021,539 A * 2/2000 Zhadanov A46B 13/06 15/29
6,041,462 A 3/2000 Marques
6,058,543 A 5/2000 Thompson
6,170,108 B1 1/2001 Knight
6,205,607 B1 3/2001 Tse
6,230,717 B1 5/2001 Marx et al.
D447,635 S * 9/2001 Smith D4/114
6,363,565 B1 4/2002 Paffrath
6,450,425 B1 * 9/2002 Chen E03C 1/06 239/587.4
6,569,170 B1 5/2003 Kellogg
6,595,440 B2 7/2003 Moriarty et al.
RE38,397 E 1/2004 Gueret
6,730,051 B2 5/2004 Lin
D493,621 S * 8/2004 Wilson D4/116
6,799,346 B2 10/2004 Jeng et al.
D500,358 S 12/2004 Haug
D523,809 S 6/2006 Roth et al.
7,157,816 B2 1/2007 Pilcher et al.
D549,964 S 9/2007 Roth et al.
7,293,302 B2 11/2007 Mesa
7,306,569 B2 12/2007 LaJoie et al.
7,320,691 B2 1/2008 Pilcher et al.
7,337,487 B2 3/2008 Leonardi
7,386,906 B2 6/2008 Roth et al.
D579,516 S * 10/2008 Hsu D23/223
7,451,513 B2 11/2008 Torres
D601,803 S 10/2009 Reishus et al.
7,597,495 B2 10/2009 Gueret
7,665,171 B2 2/2010 Alexander et al.
7,670,305 B2 3/2010 Zhadanov et al.
7,758,525 B2 7/2010 Thiebaut et al.
7,786,626 B2 8/2010 Reishus et al.
7,789,092 B2 9/2010 Akridge et al.
7,789,326 B2 * 9/2010 Luettgen B05B 1/1636 239/443
7,814,585 B1 10/2010 Reich
7,823,593 B2 11/2010 Gueret
7,841,927 B2 11/2010 Krause et al.
7,857,241 B2 12/2010 Deng
D638,221 S * 5/2011 Liao D4/100
7,941,887 B2 * 5/2011 Tsai A46B 13/06 15/29
8,088,085 B2 1/2012 Thiebaut et al.
8,157,753 B2 4/2012 Nichols
8,302,615 B2 11/2012 Thiebaut
8,308,390 B2 11/2012 Kao
D679,502 S 4/2013 Itano et al.
8,407,825 B2 * 4/2013 Kao A46B 11/063 4/567
8,425,134 B2 4/2013 Gueret
D683,139 S 5/2013 Chikos et al.
8,439,588 B2 * 5/2013 Houman A46B 13/06 15/29
8,469,909 B2 6/2013 Pilcher et al.
8,484,788 B2 7/2013 Brewer et al.
8,511,927 B2 * 8/2013 Houman A46B 13/06 15/28
8,555,811 B2 10/2013 Dole
8,608,251 B2 12/2013 Nirwing et al.
D705,900 S 5/2014 Bailey
D719,640 S 12/2014 Yu
8,985,886 B1 * 3/2015 Derrick A46B 15/00 4/606
9,032,576 B2 5/2015 Zelickson et al.
9,107,486 B2 8/2015 Brewer et al.
9,138,257 B2 9/2015 Revivo
9,433,281 B1 * 9/2016 Barras A46B 11/063
9,643,195 B2 * 5/2017 Streetmaker B05B 1/185
2004/0117931 A1 6/2004 Washington
2004/0167481 A1 8/2004 Carlucci et al.
2005/0125890 A1 * 6/2005 Zhadanov A46B 11/063 4/615
2005/0138740 A1 6/2005 Alfano
2006/0076436 A1 4/2006 Zhadanov et al.
2007/0095362 A1 5/2007 Koopah
2007/0101522 A1 5/2007 Alfano
2008/0104787 A1 5/2008 Keenan et al.
2011/0085845 A1 4/2011 Cutler
2011/0114754 A1 5/2011 Li et al.
2011/0121105 A1 5/2011 Moriarty et al.
2011/0142529 A1 6/2011 Oh et al.
2011/0185521 A1 8/2011 Temple
2012/0037184 A1 2/2012 Czetty et al.
2012/0124758 A1 5/2012 Sabisch et al.
2012/0138087 A1 6/2012 Newlin
2012/0159724 A1 6/2012 Houman
2012/0209151 A1 8/2012 Zhou et al.
2013/0060176 A1 3/2013 Nichols
2013/0098382 A1 4/2013 Martin et al.
2013/0139841 A1 6/2013 Dumousseaux et al.
2014/0007362 A1 1/2014 Park et al.
2014/0058300 A1 2/2014 Ungemach et al.
2014/0099154 A1 4/2014 O'Neill
2014/0135665 A1 5/2014 Pilcher et al.
2014/0276281 A1 9/2014 Nefcy
2014/0305458 A1 10/2014 Brewer et al.
2014/0309662 A1 10/2014 Brewer et al.
2015/0040331 A1 2/2015 White
2015/0065927 A1 3/2015 Brewer et al.
2015/0165179 A1 6/2015 Grez
2015/0182078 A1 7/2015 Miller et al.
2015/0182290 A1 7/2015 Grez
2015/0305487 A1 10/2015 Pardo et al.
2015/0359324 A1 12/2015 Brewer
2016/0015150 A1 1/2016 Casasanta, III
2016/0037902 A1 2/2016 Grez
2016/0287035 A1 * 10/2016 Woodard A46B 5/0012

FOREIGN PATENT DOCUMENTS

CN	2169359	6/1994
CN	1410168	4/2003
CN	2611047	4/2004
CN	2723038	9/2005
CN	2843622	12/2006
CN	1972612	5/2007
CN	2910075	6/2007

(56) **References Cited**

FOREIGN PATENT DOCUMENTS

CN	201026474		2/2008
CN	201346171		11/2009
CN	101797128		8/2010
CN	201949941		8/2011
CN	202045028		11/2011
CN	102349739		2/2012
CN	202842758		4/2013
CN	203170464		9/2013
CN	103655160		3/2014
CN	103717116		4/2014
CN	203860668		10/2014
CN	203861095		10/2014
CN	204091850		1/2015
CN	204192481		3/2015
CN	204671034		9/2015
DE	1566490		11/1970
EP	0280833		9/1988
GB	2237505		5/1991
IL	10471	*	4/1987
IL	23733	*	12/1996
JP	D1477160	*	8/2013
JP	D1477161	*	8/2013
WO	WO01/19281		3/2001
WO	WO2010/084870		7/2010
WO	WO2013/021380		2/2013
WO	WO2013/095462		6/2013
WO	WO2013/122400		8/2013
WO	WO2014/173126		10/2014
WO	WO-2016/161451 A2	*	10/2016 ..... A47K 7/04

OTHER PUBLICATIONS

Interlink TheraClense™, http://www.itlk.com/theraclense.html, retrieved on Dec. 30, 2014.

Koninklijke Philips N.V. PureRadiance Facial Cleansing System leaflet, 2014, 2 pages.

Koninklijke Philips N.V. PureRadiance user manual, 2014, 64 pages.

Aquatrim-shower massage, http://www.kaboodle.com/reviews/aquatrim-shower-massage, retrieved on Mar. 27, 2015.

Encapsulation Carpet Cleaning is Changing the Industry, http://cimex-carpet-cleaning.com/#Company, retrieved on Mar. 27, 2015.

* cited by examiner

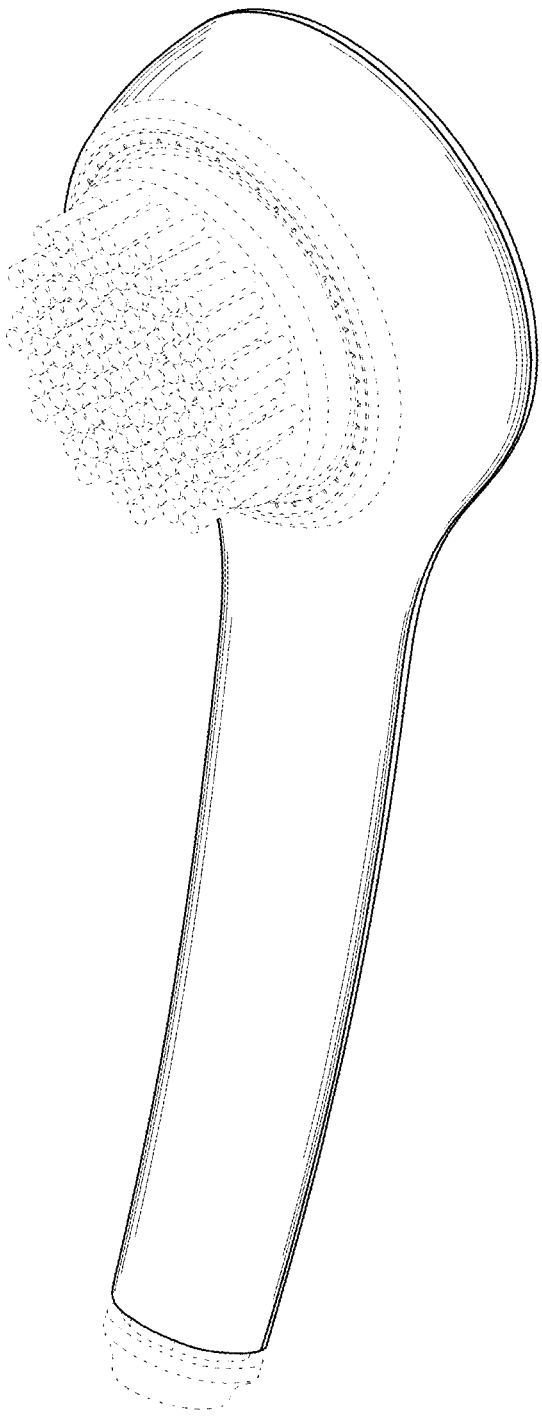


FIG. 1

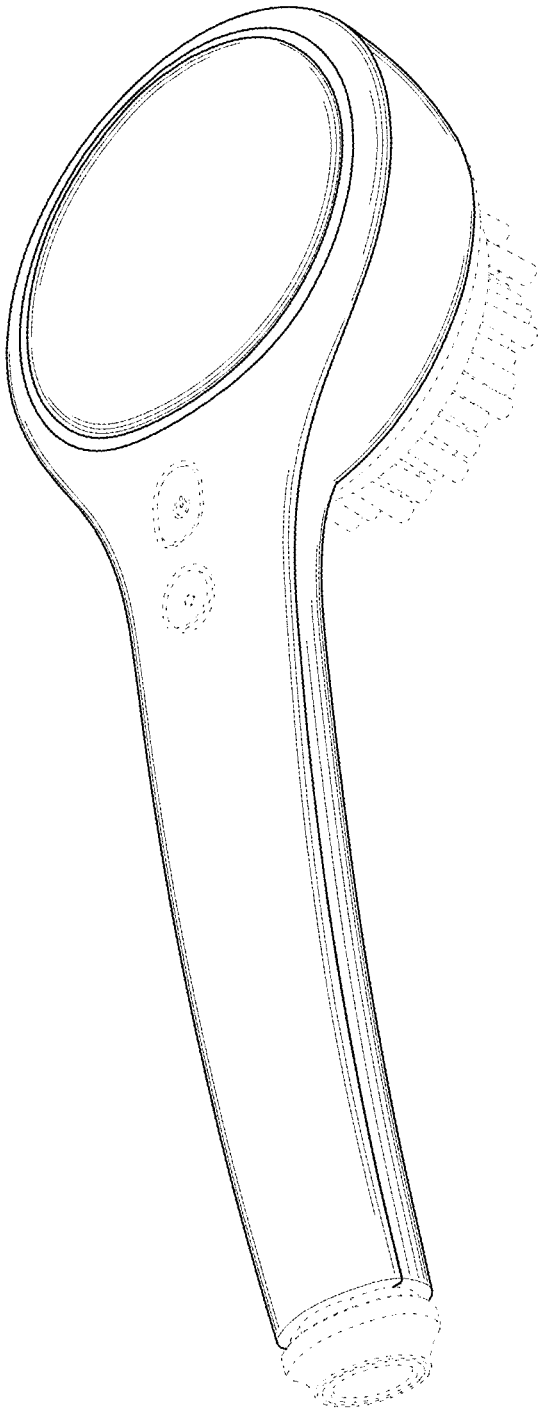


FIG. 2

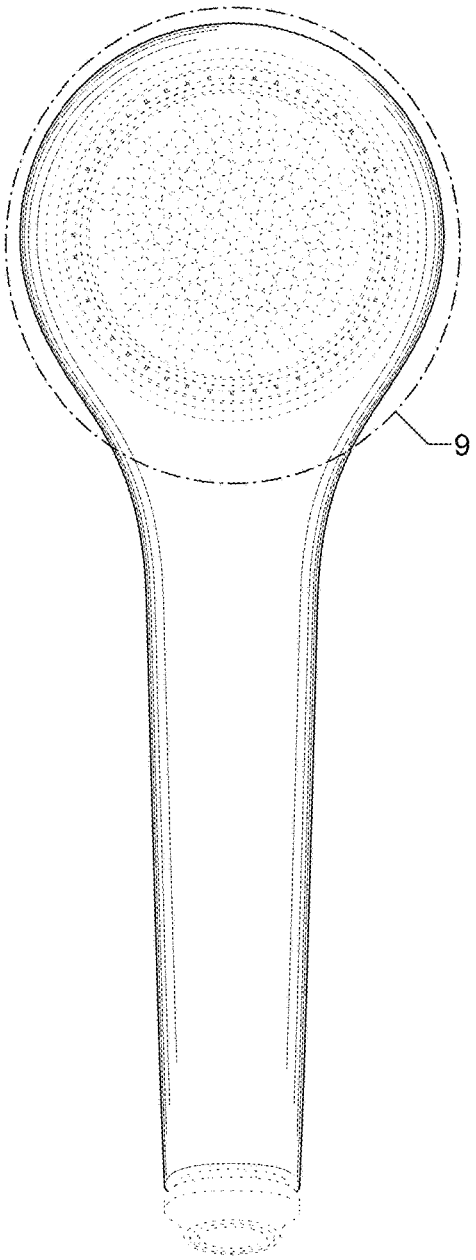


FIG. 3

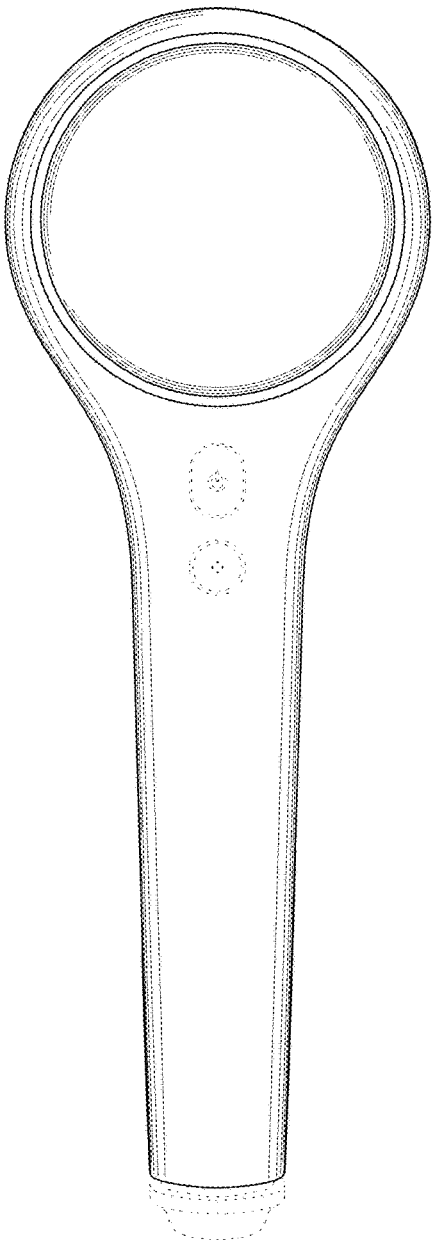


FIG. 4

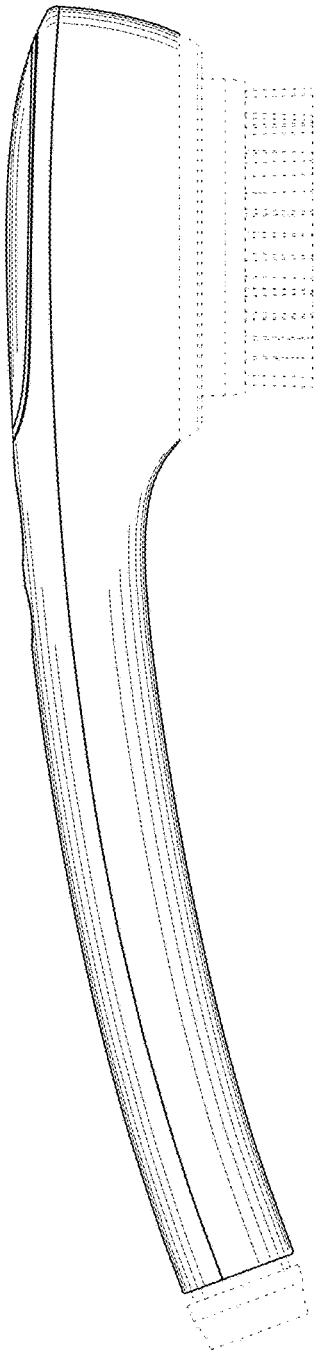


FIG. 5

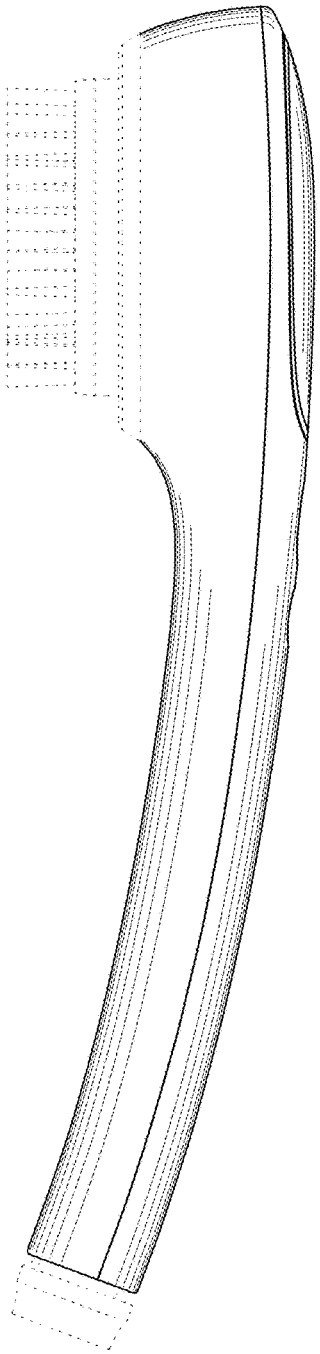


FIG. 6

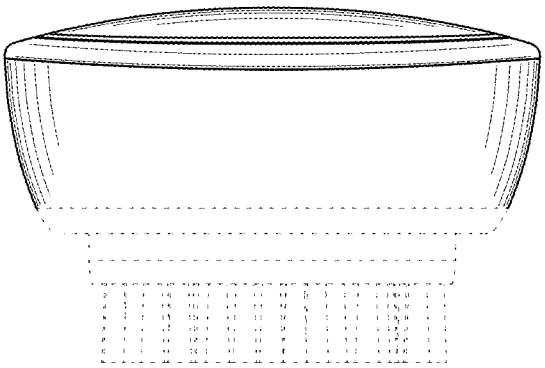


FIG. 7

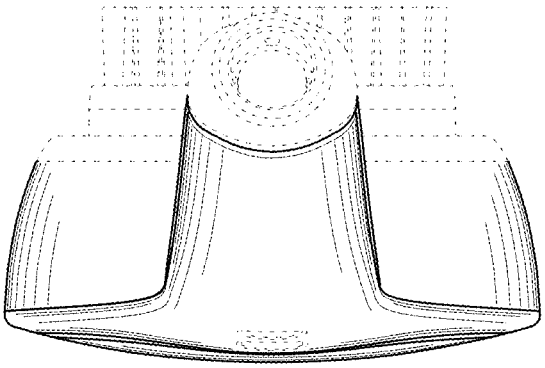


FIG. 8

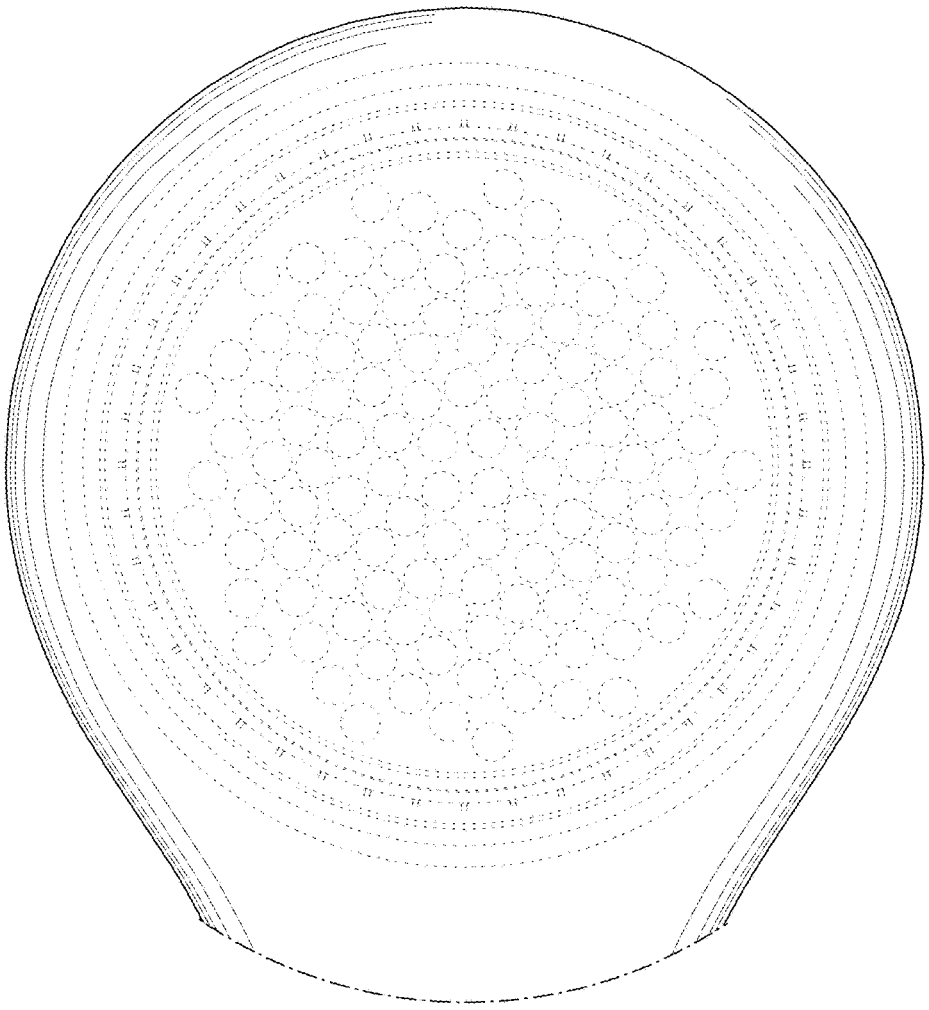


FIG. 9