



US00D749232S

(12) **United States Design Patent**  
**Baumwald et al.**

(10) **Patent No.:** **US D749,232 S**

(45) **Date of Patent:** **\*\* Feb. 9, 2016**

- (54) **THERMAL PACK**
- (71) Applicants: **Daniel Jared Baumwald**, Elkridge, MD (US); **Carol Baltazar**, Glenwood, MD (US)
- (72) Inventors: **Daniel Jared Baumwald**, Elkridge, MD (US); **Carol Baltazar**, Glenwood, MD (US)
- (73) Assignee: **TheraPearl, LLC**, Columbia, MD (US)
- (\*\*) Term: **14 Years**
- (21) Appl. No.: **29/433,566**
- (22) Filed: **Oct. 1, 2012**

**Related U.S. Application Data**

- (63) Continuation-in-part of application No. 29/406,624, filed on Nov. 16, 2011, now Pat. No. Des. 668,344, and a continuation-in-part of application No. 12/794,576, filed on Jun. 4, 2010.
- (51) **LOC (10) Cl.** ..... **28-02**
- (52) **U.S. Cl.**  
USPC ..... **D24/208**
- (58) **Field of Classification Search**  
USPC ..... D24/206-208, 189-192, 118; 602/1-7, 602/17-27, 61-66, 74, 30; 128/112.1, 128/117.1, 95.1, 96.1, 97.1, 100.1, 101.1, 128/876; 606/204, 27; 607/96, 108, 109, 607/111, 112; D29/121.2, 122, 101.2, D29/101.5, 120.1, 121.1; D3/327; D9/707; 601/15, DIG. 1; 126/204  
CPC ..... A61F 7/02; A61F 7/10; A61F 2007/0003  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 264,814 A 9/1882 Wood ..... 441/127
- D45,122 S 1/1914 Meinecke ..... D24/207
- 1,690,405 A 11/1928 Du Rocher ..... D29/121.1

- 1,924,315 A 8/1933 Hemphill et al.
- 2,038,275 A 4/1936 Fogg
- D111,793 S 10/1938 Myers ..... D9/607
- D164,087 S 7/1951 Atkin ..... D24/208
- 2,932,052 A 4/1960 Morse
- 3,301,254 A 1/1967 Schickendanz
- 3,736,769 A 6/1973 Petersen
- 3,768,485 A 10/1973 Linick
- D242,958 S 1/1977 Manschot et al. .... D24/118
- D243,121 S 1/1977 Ralston et al. .... D24/118
- D245,119 S 7/1977 Harris ..... D24/118
- 4,122,847 A 10/1978 Craig
- D251,258 S \* 3/1979 Power ..... D24/189
- D251,576 S 4/1979 Geenen-Megens

(Continued)

**OTHER PUBLICATIONS**

Kendall Obstetric & Neonatal Products Brochure. Jan. 2004 ed.

(Continued)

*Primary Examiner* — David Muller

(74) *Attorney, Agent, or Firm* — Pequignot + Myers; Matthew A. Pequignot

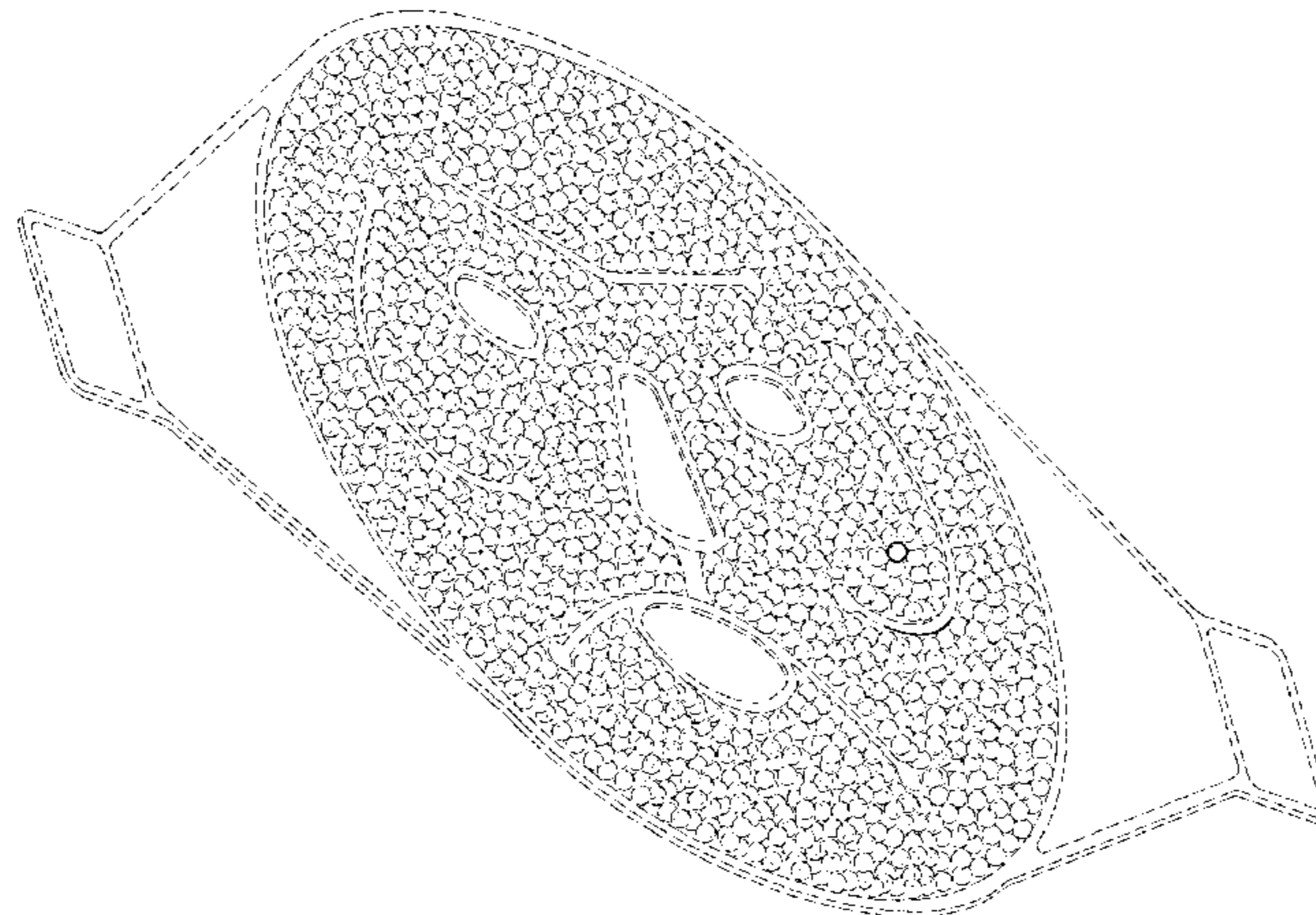
(57) **CLAIM**

The ornamental design for a thermal pack, as substantially shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a thermal pack showing the new design.  
 FIG. 2 is a front elevation view thereof;  
 FIG. 3 is a rear elevation view thereof;  
 FIG. 4 is a right-side elevation view thereof;  
 FIG. 5 is a left-side elevation view thereof;  
 FIG. 6 is a top plan view thereof; and,  
 FIG. 7 is a bottom plan view thereof.  
 Structure illustrated in broken lines is provided to illustrate the environment of the invention but is not otherwise part of the claimed design.

**1 Claim, 4 Drawing Sheets**





(56)

## References Cited

## U.S. PATENT DOCUMENTS

D258,532 S	3/1981	Wagner	
4,316,287 A	2/1982	Rule	D6/598
4,470,417 A	9/1984	Gruber	
D278,363 S	4/1985	Schenkel et al.	
4,559,047 A *	12/1985	Kapralis et al.	604/291
4,585,797 A *	4/1986	Cioca	514/773
4,614,189 A	9/1986	MacKenzie	
4,645,498 A	2/1987	Kosak	
D293,004 S	12/1987	Emms	D21/600
D293,829 S *	1/1988	Johnston	D28/9
4,727,869 A	3/1988	Leonardi	
D296,838 S	7/1988	Diaz	
D296,930 S	7/1988	Carabelli	
D300,645 S	4/1989	Bowden	D21/604
D301,280 S	5/1989	Craig et al.	
D302,213 S	7/1989	Motazedi	D21/604
4,917,112 A	4/1990	Kalt	
D312,558 S	12/1990	Ilsen et al.	D21/576
D318,075 S	7/1991	Capper et al.	D21/600
5,050,595 A	9/1991	Krafft	128/379
D320,457 S *	10/1991	Dickinson	D24/208
D327,330 S	6/1992	Noble	D24/208
D328,792 S	8/1992	Salmon et al.	
D330,427 S	10/1992	Meijer	
5,163,425 A	11/1992	Nambu et al.	607/110
D332,310 S *	1/1993	Ahlen	D24/208
D341,022 S	11/1993	Zona	
D341,284 S	11/1993	Martin	D6/598
5,274,865 A	1/1994	Takehashi	
D343,903 S	2/1994	Perteet	D24/206
5,300,103 A	4/1994	Stempel et al.	607/108
5,304,215 A	4/1994	MacWhinnie	607/106
5,314,005 A	5/1994	Dobry	165/10
D348,174 S	6/1994	Genis	D24/191
D349,018 S	7/1994	Kaiser	D21/604
D351,472 S	10/1994	Mason et al.	
D352,633 S	11/1994	Berggren	D6/598
D355,457 S	2/1995	Miller	D21/600
D356,329 S	3/1995	Frilot	D21/600
5,409,500 A	4/1995	Dyrek	607/111
D360,920 S	8/1995	Lessard	D29/121.1
D363,670 S	10/1995	Sullivan	D9/707
D369,218 S	4/1996	Vandenbelt	
5,628,772 A	5/1997	Russell	
D383,213 S	9/1997	Ingram	
D384,703 S	10/1997	Chuang	D21/600
D387,506 S	12/1997	Kosh	D29/122
5,707,645 A	1/1998	Wierson	
D390,057 S	2/1998	Gower	D6/598
D392,742 S	3/1998	Clark, Sr.	
D392,787 S	3/1998	Barratt	
D401,317 S	11/1998	Gillies	D21/604
D402,147 S	12/1998	Scarborough	D21/604
5,842,475 A	12/1998	Duback et al.	
D403,774 S	1/1999	Laughlin et al.	D24/189
D406,350 S	3/1999	Cutler	D24/206
D407,939 S	4/1999	Bear	D6/598
5,897,580 A	4/1999	Silver	607/108
D410,090 S	5/1999	Podd	D24/208
D410,165 S	5/1999	Bear	D6/598
D410,167 S	5/1999	Bear	D6/598
D410,749 S	6/1999	Podd	D24/208
D410,750 S	6/1999	Podd	D24/208
D411,624 S	6/1999	Podd	D24/208
5,978,962 A	11/1999	Hamowy	602/62
D420,178 S	2/2000	Bionde et al.	D30/160
D426,308 S	6/2000	Negron	
6,080,121 A	6/2000	Madow et al.	
6,083,254 A	7/2000	Evans	607/96
D431,269 S	9/2000	Soderstrom	D21/576
D434,506 S	11/2000	Jordan	
6,146,413 A	11/2000	Harman	607/111
6,152,892 A	11/2000	Masini	
D436,179 S	1/2001	Small	D24/206
D436,525 S	1/2001	Lin	D9/601
D442,078 S	5/2001	Fuquen	D9/707
D442,278 S	5/2001	Rury	D24/118
D442,285 S	5/2001	Perry	
6,241,711 B1 *	6/2001	Weissberg et al.	604/291
D446,927 S	8/2001	Rotschild	D21/604
D448,850 S	10/2001	Fabricant	D24/189
6,320,094 B1	11/2001	Arnold et al.	
6,336,220 B1	1/2002	Sacks et al.	
D453,541 S	2/2002	Steele et al.	D21/611
6,361,553 B1	3/2002	Bowen	607/112
D459,986 S	7/2002	Yourist	D9/607
D460,914 S	7/2002	Yourist	D9/607
6,420,623 B2	7/2002	Augustine et al.	
D461,903 S	8/2002	Garcia	
D466,610 S	12/2002	Ashton et al.	D24/189
6,524,331 B1	2/2003	Kohout et al.	607/96
D473,947 S	4/2003	Jacobsen	D24/189
D476,080 S	6/2003	Hantke et al.	
6,610,084 B1	8/2003	Torres	607/114
6,648,909 B2	11/2003	Helming	
D484,240 S	12/2003	Lyons et al.	D24/118
D486,603 S	2/2004	Larkin et al.	
D507,056 S	7/2005	Friedland	D24/206
6,916,334 B2	7/2005	Noonan	607/108
6,972,029 B2	12/2005	Mayrhofer et al.	607/108
7,022,130 B2	4/2006	Gammons et al.	607/109
D525,533 S	7/2006	Edwards	D9/609
D531,790 S	11/2006	Wurzburg	
D533,668 S	12/2006	Brown	
7,182,777 B2	2/2007	Mills	
D538,974 S	3/2007	Eknoian et al.	
7,195,660 B2	3/2007	Little et al.	606/27
D548,405 S	8/2007	Purnell	
D557,810 S	12/2007	Eknoian et al.	D24/189
D564,705 S *	3/2008	Ohnishi et al.	D28/9
D565,740 S	4/2008	Sybrandts	
D569,035 S	5/2008	Eknoian et al.	
D570,488 S	6/2008	Kirksey et al.	
D570,541 S *	6/2008	Ohnishi et al.	D28/9
7,393,336 B2	7/2008	Slout	
D574,999 S	8/2008	Eknoian et al.	
D576,282 S	9/2008	Yanaki	D24/189
D577,606 S	9/2008	Friedland et al.	
D588,703 S	3/2009	Boleratz	
D596,305 S	7/2009	Usui et al.	
D597,678 S	8/2009	Wagner	D24/206
D605,299 S	12/2009	Iwahashi et al.	
D608,500 S *	1/2010	Lu et al.	D28/9
7,652,228 B2	1/2010	Igaki et al.	
D613,181 S	4/2010	Friedland et al.	
D615,278 S	5/2010	Reed	D24/190
7,707,655 B2	5/2010	Braunecker et al.	
D616,760 S	6/2010	Deuerer	D9/707
D618,357 S	6/2010	Navies	D24/189
D618,811 S	6/2010	Navies	D24/189
D620,123 S	7/2010	Igwebuike	D24/189
D622,449 S	8/2010	Culley et al.	
D624,346 S	9/2010	Salzman	D6/604
D626,243 S	10/2010	Sagnip et al.	D24/190
D627,527 S	11/2010	Ferguson et al.	
D627,586 S	11/2010	Holdridge	D6/598
D629,589 S	12/2010	Mayo	
7,854,712 B2	12/2010	Evans et al.	
D630,376 S *	1/2011	Yamamoto	D28/7
D634,473 S *	3/2011	Koike	D28/9
D635,272 S	3/2011	Gruber et al.	D24/206
7,937,909 B2	5/2011	Carvallo	53/433
D646,842 S *	10/2011	Roman	D28/7
D647,146 S	10/2011	Islava	D21/576
D648,439 S	11/2011	Greener et al.	
D649,647 S	11/2011	Williams	D24/190
D651,719 S	1/2012	Kusmierz	D24/206
D656,235 S	3/2012	Howell	
8,226,699 B2	7/2012	Evans	
8,281,450 B2	10/2012	Spain	

(56)

**References Cited**

**OTHER PUBLICATIONS**

U.S. PATENT DOCUMENTS

D670,816 S 11/2012 Suzuki et al.  
D671,225 S 11/2012 Higley  
D674,903 S 1/2013 Harder  
2003/0064042 A1 4/2003 Bergquist et al.  
2004/0010302 A1 1/2004 von Hoffmann et al. .... 607/114

ITA-Med webpage printout, <http://www.itamed.com/maternity/post-surgical.html>. Printed Sep. 13, 2004.

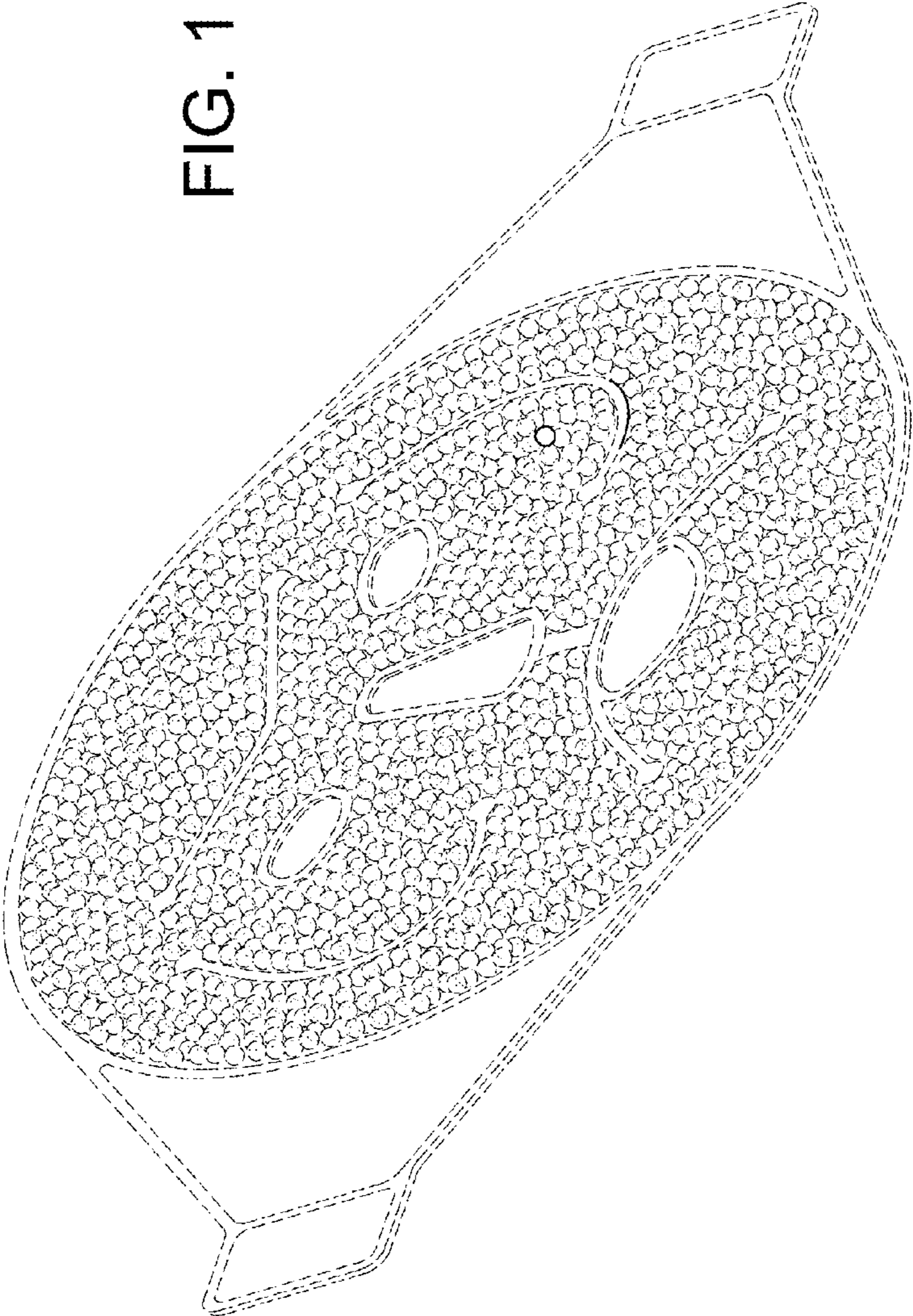
Office Action for U.S. Appl. No. 29/431,399, dated Nov. 21, 2013.

Office Action for U.S. Appl. No. 29/433,806, dated Dec. 18, 2013.

\* cited by examiner



FIG. 1



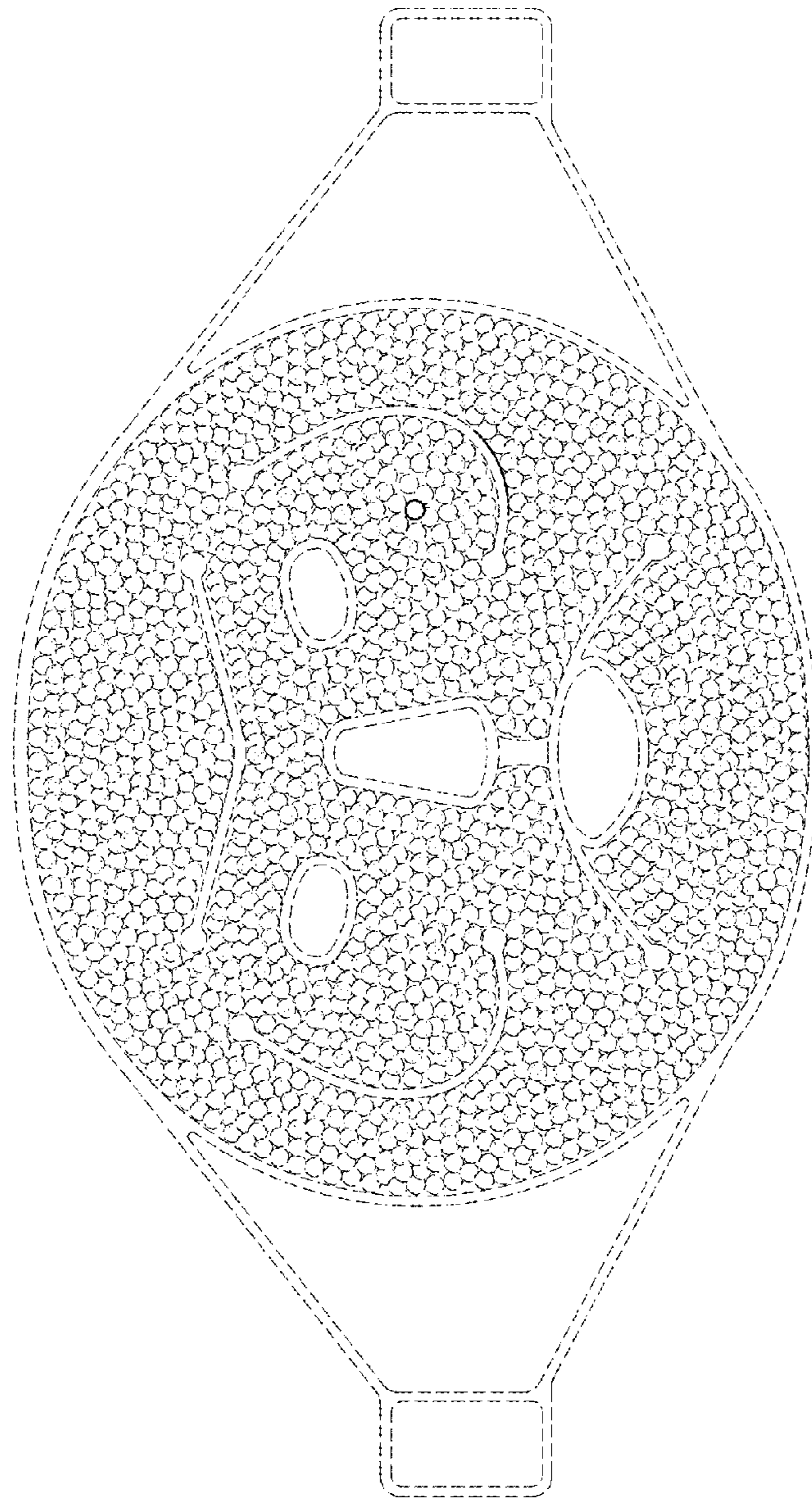


FIG. 2



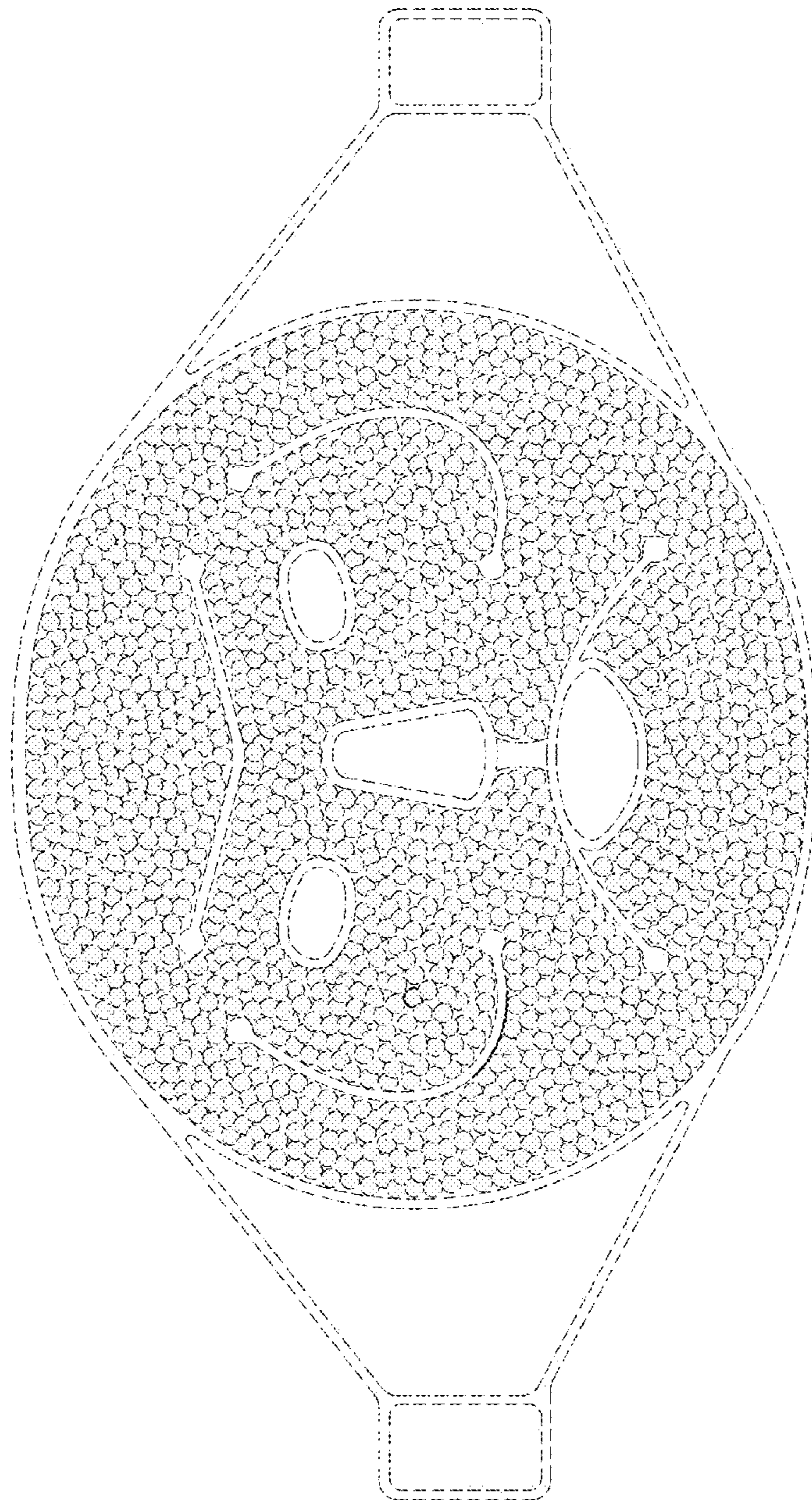


FIG. 3



FIG. 4

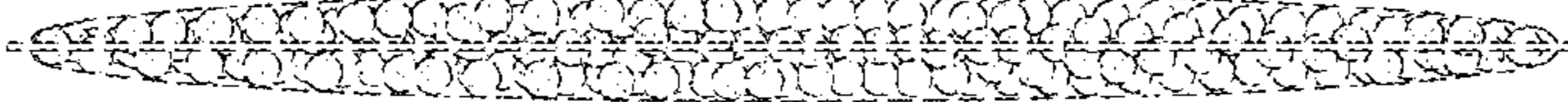


FIG. 5

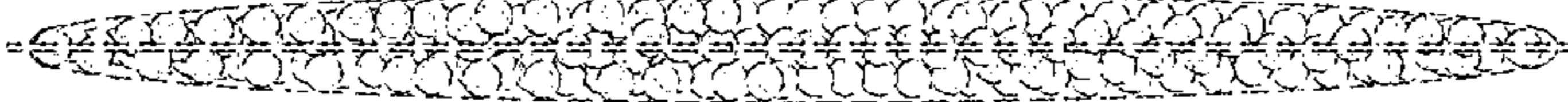


FIG. 6



FIG. 7