



US00D961099S

(12) **United States Design Patent** (10) **Patent No.:** **US D961,099 S**
Fan et al. (45) **Date of Patent:** **** *Aug. 16, 2022**

(54) **THERAPY PACK**

of application No. 29/638,937, filed on Mar. 1, 2018, now Pat. No. Des. 888,975.

(71) Applicants: **Shanghai Chuangshi Medical Technology (Group) Co., Ltd.**, Shanghai (CN); **Biofreeze IP Holdings, LLC**, Akron, OH (US)

(30) **Foreign Application Priority Data**

Mar. 2, 2018 (CN) CN/2018/077916

(72) Inventors: **Litao Fan**, Shanghai (CN); **Yong You**, Shanghai (CN); **Yunguang Pan**, Shanghai (CN); **Dongjia He**, Shanghai (CN); **Rocco Mango**, Avon Lake, OH (US)

(51) **LOC (13) Cl.** **24-04**

(52) **U.S. Cl.**
USPC **D24/206**

(58) **Field of Classification Search**
USPC D24/206-208, 189-192; D32/57; D6/583

(73) Assignees: **Biofreeze IP Holdings, LLC**, Akron, OH (US); **Shanghai Chuangshi Medical Technology (Group) Co. Ltd.**

CPC A61F 7/00; A61F 7/02; A61F 7/03; A61F 7/007; A61F 7/08; A61F 7/10; A61F 7/106; A61F 2007/0001; A61F 2007/0003; A61F 2007/0004; A61F 2007/0029; A61F 2007/003; A61F 2007/0031; A61F 2007/0034; A61F 2007/0039; A61F 2007/0041; A61F 2007/0043; A61F 2007/0215; A61F 2007/0228; A61F 2007/0219; A61F 2007/0231; A61F 2007/0242; A61F 2007/0258; A61F 2007/0292; A61F 2007/108

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

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

(21) Appl. No.: **29/737,960**

(22) Filed: **Jun. 12, 2020**

See application file for complete search history.

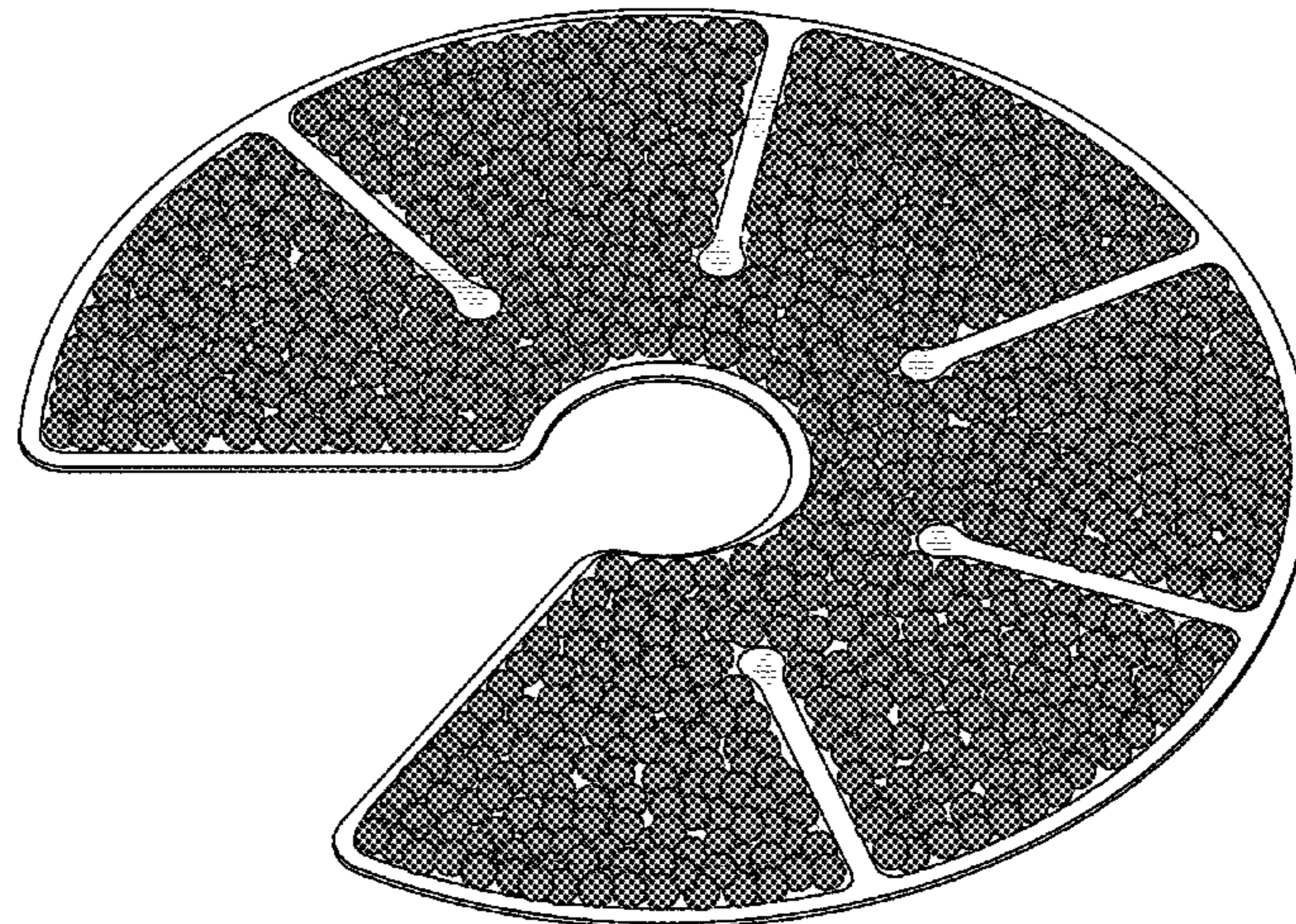
Related U.S. Application Data

(60) Continuation-in-part of application No. 16/425,557, filed on May 29, 2019, which is a division of application No. 15/986,790, filed on May 22, 2018, now Pat. No. 10,492,943, application No. 29/737,960, which is a continuation-in-part of application No. 29/639,802, filed on Mar. 8, 2018, now Pat. No. Des. 888,262, and a continuation-in-part of application No. 29/638,935, filed on Mar. 1, 2018, now Pat. No. Des. 857,216, and a continuation-in-part of application No. 29/638,938, filed on Mar. 1, 2018, now Pat. No. Des. 857,218, and a continuation-in-part of application No. 29/638,936, filed on Mar. 1, 2018, now Pat. No. Des. 857,217, and a continuation-in-part of application No. 29/638,934, filed on Mar. 1, 2018, now Pat. No. Des. 888,974, and a continuation-in-part of application No. 29/638,933, filed on Mar. 1, 2018, now Pat. No. Des. 888,973, and a continuation-in-part

(56) **References Cited**

U.S. PATENT DOCUMENTS

264,814 A	9/1882	Wood
D45,122 S	1/1914	Meinecke
1,690,405 A	11/1928	Du Rocher
1,924,315 A	8/1933	Hemphill et al.
2,038,275 A	4/1936	Fogg
D111,793 S	10/1938	Myers
D164,087 S	7/1951	Atkin
2,932,052 A	4/1960	Morse
2,955,331 A	10/1960	Nelson
3,164,151 A	1/1965	Vere
D204,884 S	5/1966	Waddington
3,301,254 A	1/1967	Erich
3,382,511 A	5/1968	Brooks
3,545,230 A	12/1970	Morse
3,561,435 A	2/1971	Nicholson
D223,701 S	5/1972	Lausch
3,736,769 A	6/1973	Petersen



US D961,099 S

Page 2

3,768,485 A	10/1973	Linick	D383,547 S	9/1997	Mason et al.
3,804,077 A	4/1974	Williams	D383,848 S	9/1997	Mason et al.
D232,995 S	10/1974	Molzen	D384,703 S	10/1997	Chuang
3,885,403 A	5/1975	Spencer	D387,506 S	12/1997	Kosh
D242,958 S	1/1977	Manschot et al.	5,707,645 A	1/1998	Wierson
D243,121 S	1/1977	Ralston, Jr. et al.	D390,057 S	2/1998	Gower
D243,715 S	3/1977	Trimnell	D392,742 S	3/1998	Clark
D245,119 S	7/1977	Harris	D392,787 S	3/1998	Barratt
4,122,847 A	10/1978	Craig	5,800,491 A	9/1998	Kolen et al.
D251,258 S	3/1979	Power	D401,317 S	11/1998	Gillies
D251,576 S	4/1979	Geenen-Megens	D402,147 S	12/1998	Scarborough
D258,532 S	3/1981	Wagner	5,842,475 A	12/1998	Duback et al.
4,316,287 A	2/1982	Rule	D403,774 S	1/1999	Laughlin et al.
D265,704 S	8/1982	Yamamoto et al.	D406,350 S	3/1999	Cutler
4,462,224 A	7/1984	Dunshee et al.	D407,823 S	4/1999	Davis et al.
4,470,417 A	9/1984	Gruber	D407,939 S	4/1999	Bear
D278,363 S	4/1985	Schenkel et al.	5,895,656 A	4/1999	Hirshowitz et al.
4,530,220 A	7/1985	Nambu et al.	5,897,580 A	4/1999	Silver
4,559,047 A	12/1985	Kapralis et al.	D410,090 S	5/1999	Podd
4,580,547 A	4/1986	Kapralis et al.	D410,165 S	5/1999	Bear
4,585,797 A	4/1986	Cioca	D410,167 S	5/1999	Bear
4,614,189 A	9/1986	MacKenzie	D410,749 S	6/1999	Podd
4,645,498 A	2/1987	Kosak	D410,750 S	6/1999	Podd
4,668,564 A	5/1987	Orchard	D411,624 S	6/1999	Podd
D293,004 S	12/1987	Emms	5,925,072 A	7/1999	Cramer et al.
D293,829 S	1/1988	Johnston	5,978,962 A	11/1999	Hamowy
4,727,869 A	3/1988	Leonardi	5,984,953 A	11/1999	Sabin et al.
D296,838 S	7/1988	Diaz	D420,178 S	2/2000	Bionde et al.
D296,930 S	7/1988	Carabelli	D426,308 S	6/2000	Negron
D300,645 S	4/1989	Bowden	6,080,121 A	6/2000	Madow et al.
D301,280 S	5/1989	Craig et al.	6,083,254 A	7/2000	Evans
D302,213 S	7/1989	Motazed	D429,818 S	8/2000	Lamping et al.
4,917,112 A	4/1990	Kalt	6,099,555 A	8/2000	Sabin
D308,787 S	6/1990	Youngblood	D431,269 S	9/2000	Soderstrom
D312,558 S	12/1990	Ilson et al.	D433,757 S	11/2000	Jordan
D318,075 S	7/1991	Capper et al.	D434,506 S	11/2000	Jordan
5,050,595 A	9/1991	Krafft	6,146,413 A	11/2000	Harman
D320,457 S	10/1991	Dickinson	6,152,892 A	11/2000	Masini
D324,915 S	3/1992	Wastchak	D436,019 S	1/2001	Thomas
D325,089 S	3/1992	Shaw	D436,179 S	1/2001	Small
D326,222 S	5/1992	McAtarian	D436,525 S	1/2001	Lin
D327,329 S	6/1992	Hubbard et al.	D438,307 S	2/2001	Scheppke
D327,330 S	6/1992	Noble	D442,078 S	5/2001	Fuquen
5,129,391 A	7/1992	Brodsky et al.	D442,278 S	5/2001	Rury
D328,792 S	8/1992	Salmon et al.	D442,285 S	5/2001	Perry
D329,497 S	9/1992	Pryor	6,226,820 B1	5/2001	Navarro
D330,427 S	10/1992	Meijer	6,241,711 B1	6/2001	Weissberg et al.
5,163,425 A	11/1992	Nambu et al.	D446,927 S	8/2001	Rothschild
D332,310 S	1/1993	Ahlen	D448,850 S	10/2001	Fabricant
5,179,944 A	1/1993	McSmytz	6,320,094 B1	11/2001	Arnold et al.
5,190,033 A	3/1993	Johnson	D453,223 S	1/2002	Sherman
D336,339 S	6/1993	Pryor	6,336,220 B1	1/2002	Sacks et al.
5,219,625 A	6/1993	Matsunami et al.	D453,541 S	2/2002	Steele et al.
D341,022 S	11/1993	Zona	6,361,553 B1	3/2002	Bowen
D341,284 S	11/1993	Martin	D459,986 S	7/2002	Yourist
5,274,865 A	1/1994	Takehashi	D460,914 S	7/2002	Yourist
D343,903 S	2/1994	Perteet	6,420,623 B2	7/2002	Augustine et al.
5,300,103 A	4/1994	Stempel et al.	D461,903 S	8/2002	Garcia
5,300,105 A	4/1994	Owens	D466,610 S	12/2002	Ashton et al.
5,304,215 A	4/1994	MacWhinnie et al.	6,524,331 B1	2/2003	Kohout et al.
5,314,005 A	5/1994	Dobry	D473,940 S	4/2003	Hantke et al.
D348,174 S	6/1994	Genis	D473,947 S	4/2003	Jacobson
D349,018 S	7/1994	Kaiser	D476,080 S	6/2003	Hantke et al.
D351,472 S	10/1994	Mason et al.	D477,086 S	7/2003	Tsuruda et al.
D352,633 S	11/1994	Berggren	6,610,084 B1	8/2003	Torres
D353,892 S	12/1994	Shaw et al.	6,648,909 B2	11/2003	Helming
5,375,278 A	12/1994	VanWinkle et al.	D484,240 S	12/2003	Lyons et al.
D354,138 S	1/1995	Kelly	D484,985 S	1/2004	Takizawa et al.
D355,457 S	2/1995	Miller	D486,603 S	2/2004	Larkin et al.
D356,329 S	3/1995	Frilot	6,755,852 B2	6/2004	Lachenbruch et al.
D357,747 S	4/1995	Kelly	D505,041 S	5/2005	Lesosky
5,409,500 A	4/1995	Dyrek	D507,056 S	7/2005	Friedland
D360,920 S	8/1995	Lessard	6,916,334 B2	7/2005	Noonan
D363,670 S	10/1995	Sullivan	D512,511 S	12/2005	Friedland
D369,218 S	4/1996	Vandenbelt	6,972,029 B2	12/2005	Mayrhofer et al.
5,545,197 A	8/1996	Bowen	7,022,130 B2	4/2006	Gammons et al.
5,628,772 A	5/1997	Russell	D525,533 S	7/2006	Edwards
D383,213 S	9/1997	Ingram	D527,108 S	8/2006	Krahner
D383,546 S	9/1997	Amis et al.	D531,790 S	11/2006	Wurzberg

US D961,099 S

D532,523 S	11/2006	Krahner et al.	9,170,059 B2	10/2015	Johnson et al.
D533,668 S	12/2006	Brown	9,186,276 B2	11/2015	Parziale
D537,161 S	2/2007	Sinkiewicz	D749,232 S	2/2016	Baumwald et al.
7,182,777 B2	2/2007	Mills	D771,014 S	11/2016	Dubbe
D538,974 S	3/2007	Eknoian et al.	D787,080 S	5/2017	Baltazar
7,195,660 B2	3/2007	Little et al.	D787,694 S	5/2017	Baltazar
7,220,889 B2	5/2007	Sigurjonsson et al.	D793,569 S	8/2017	Baumwald
D545,441 S	6/2007	Miyachika et al.	D805,648 S	12/2017	Baumwald
D548,405 S	8/2007	Purnell	D818,596 S	5/2018	Zheng
D550,852 S	9/2007	Hoffman et al.	D821,597 S	6/2018	Martinez
7,291,164 B2	11/2007	Peterman et al.	D822,219 S	7/2018	Coates et al.
D557,810 S	12/2007	Eknoian et al.	D836,208 S	12/2018	Dubbe
D564,705 S	3/2008	Ohnishi et al.	D866,782 S *	11/2019	Dubbe D24/206
D565,740 S	4/2008	Sybrandts	10,492,943 B2 *	12/2019	Fan A61F 7/02
D569,035 S	5/2008	Eknoian et al.	D888,262 S *	6/2020	Fan D24/206
7,370,689 B2	5/2008	Wang	D888,974 S *	6/2020	Fan D24/206
D570,488 S	6/2008	Kirksey et al.	2003/0064042 A1	4/2003	Bergquist et al.
D570,541 S	6/2008	Ohnishi et al.	2004/0010302 A1	1/2004	Hoffmann et al.
7,393,336 B2	7/2008	Sloot	2004/0024438 A1	2/2004	Hoffmann et al.
D574,962 S	8/2008	Atkins et al.	2004/0138601 A1	7/2004	Chalmers
D574,999 S	8/2008	Eknoian et al.	2004/0147991 A1	7/2004	Lu
D575,875 S	8/2008	Robinson et al.	2004/0199114 A1	10/2004	Noda
D576,282 S	9/2008	Yanaki	2005/0187598 A1	8/2005	Shimizu et al.
D577,606 S	9/2008	Friedland et al.	2006/0015052 A1	1/2006	Crisp
D588,703 S	3/2009	Boleratz	2007/0021810 A1	1/2007	Paulin
D592,001 S	5/2009	Smith	2007/0068508 A1	3/2007	Wong
D596,305 S	7/2009	Usui et al.	2007/0252115 A1	11/2007	Arehart et al.
D597,678 S	8/2009	Wagner	2007/0262290 A1	11/2007	Beck et al.
D605,299 S	12/2009	Iwahashi et al.	2008/0039763 A1	2/2008	Sigurjonsson et al.
D608,500 S	1/2010	Lu et al.	2008/0119916 A1	5/2008	Choucair et al.
7,652,228 B2	1/2010	Igaki et al.	2008/0208299 A1	8/2008	Martineau
D613,181 S	4/2010	Friedland et al.	2009/0048650 A1	2/2009	Junkins
D615,278 S	5/2010	Reed	2009/0143516 A1	6/2009	MacDonald et al.
7,707,655 B2	5/2010	Braunecker et al.	2009/0163984 A1	6/2009	Robinson et al.
D616,760 S	6/2010	Deuerer	2010/0010597 A1	1/2010	Evans
D618,357 S	6/2010	Navies	2010/0010598 A1	1/2010	Igaki et al.
D618,811 S	6/2010	Navies	2010/0217363 A1	8/2010	Whitely
D620,123 S	7/2010	Igwebuikwe	2012/0165910 A1	6/2012	Choucair et al.
D622,449 S	8/2010	Culley et al.	2013/0073018 A1	3/2013	Harwood et al.
D624,346 S	9/2010	Salzman	2014/0291585 A1	10/2014	Tozuka et al.
D626,243 S	10/2010	Sagnip et al.	2014/0316314 A1	10/2014	Schubert
D627,527 S	11/2010	Ferguson, III et al.	2015/0173942 A1	6/2015	Whitely
D627,586 S	11/2010	Holdridge	2019/0307602 A1 *	10/2019	Fan A61F 7/02
D629,589 S	12/2010	Mayo			
7,854,712 B2	12/2010	Evans et al.			
D630,376 S	1/2011	Yamamoto			
D634,473 S	3/2011	Koike			
D635,272 S	3/2011	Gruber et al.			
7,937,909 B2	5/2011	Carvallo			
D646,842 S	10/2011	Roman			
D647,146 S	10/2011	Islava			
D648,439 S	11/2011	Greener et al.			
D649,647 S	11/2011	Williams			
D651,719 S	1/2012	Kusmierz			
D656,235 S	3/2012	Howell			
D660,447 S	5/2012	Baltazar			
8,226,699 B2	7/2012	Evans			
D667,957 S	9/2012	Baumwald			
D668,343 S	10/2012	Baumwald et al.			
D668,344 S	10/2012	Baumwald et al.			
D668,345 S	10/2012	Baumwald			
8,281,450 B2	10/2012	Spain			
D670,816 S	11/2012	Suzuki et al.			
D671,225 S	11/2012	Higley			
D674,903 S	1/2013	Harder			
D676,469 S	2/2013	Vanettes, Jr. et al.			
D677,394 S	3/2013	Grust et al.			
D683,018 S	5/2013	Herivel et al.			
D693,015 S	11/2013	Dubbe			
D694,309 S	11/2013	Shelledy			
8,581,017 B2	11/2013	Helm et al.			
D701,611 S	3/2014	Baumwald			
8,887,962 B2	11/2014	Herivel et al.			
D722,727 S	2/2015	Maruyama et al.			
D726,245 S	4/2015	Johnson			
D728,810 S	5/2015	Baumwald			
D736,394 S	8/2015	Owoc			
D738,576 S	9/2015	Harrell et al.			
D741,474 S	10/2015	Chen et al.			

FOREIGN PATENT DOCUMENTS

CA	146063 S	1/2013
CA	144326 S	3/2013
CA	146073 S	4/2013
CA	146980 S	7/2013
CA	156435 S	2/2015
CA	160958 S	12/2015
EP	162583 B1	11/1985
WO	2001078797 A1	10/2001
WO	2016093788 A1	6/2016

OTHER PUBLICATIONS

Office Action issued in U.S. Appl. No. 29/435,900 dated Sep. 25, 2020.

Office Action issued in U.S. Appl. No. 29/435,901 dated Sep. 25, 2020.

Office Action issued in U.S. Appl. No. 15/844,977 dated Jun. 12, 2020.

Document entitled: “Theramal Gel Beads Innovations: the easier way to enjoy a cozy & effective relief”; author unknown; authenticity unknown and in question; unknown if ever published; date of creation unknown and in question. Disclosed by Applicant in abundance of caution.

Entire prosecution history of U.S. Appl. No. 10/672,132.

Entire prosecution history of U.S. Appl. No. 12/794,576.

Entire prosecution history of U.S. Appl. No. 29/402,951.

Entire prosecution history of U.S. Appl. No. 29/402,971.

Entire prosecution history of U.S. Appl. No. 29/402,974.

Entire prosecution history of U.S. Appl. No. 29/403,056.

Entire prosecution history of U.S. Appl. No. 29/403,478.

Entire prosecution history of U.S. Appl. No. 29/406,622.
 Entire prosecution history of U.S. Appl. No. 29/406,623.
 Entire prosecution history of U.S. Appl. No. 29/406,624.
 Entire prosecution history of U.S. Appl. No. 29/410,928.
 Entire prosecution history of U.S. Appl. No. 29/410,930.
 Entire prosecution history of U.S. Appl. No. 29/413,705.
 Entire prosecution history of U.S. Appl. No. 29/429,143.
 Entire prosecution history of U.S. Appl. No. 29/429,147.
 Entire prosecution history of U.S. Appl. No. 29/429,154.
 Entire prosecution history of U.S. Appl. No. 29/429,157.
 Entire prosecution history of U.S. Appl. No. 29/431,148.
 Entire prosecution history of U.S. Appl. No. 29/431,399.
 Entire prosecution history of U.S. Appl. No. 29/433,566.
 Entire prosecution history of U.S. Appl. No. 29/433,567.
 Entire prosecution history of U.S. Appl. No. 29/433,568.
 Entire prosecution history of U.S. Appl. No. 29/433,570.
 Entire prosecution history of U.S. Appl. No. 29/433,806.
 Entire prosecution history of U.S. Appl. No. 29/433,907.
 Entire prosecution history of U.S. Appl. No. 29/433,805.
 Entire prosecution history of U.S. Appl. No. 29/434,757.
 Entire prosecution history of U.S. Appl. No. 29/434,760.
 Entire prosecution history of U.S. Appl. No. 29/434,763.
 Entire prosecution history of U.S. Appl. No. 29/435,893.
 Entire prosecution history of U.S. Appl. No. 29/435,896.
 Entire prosecution history of U.S. Appl. No. 29/435,900.
 Entire prosecution history of U.S. Appl. No. 29/435,901.
 Entire prosecution history of U.S. Appl. No. 29/480,356.
 Entire prosecution history of U.S. Appl. No. 29/498,780.
 Entire prosecution history of U.S. Appl. No. 29/498,781.
 Entire prosecution history of U.S. Appl. No. 29/498,785.
 Entire prosecution history of U.S. Appl. No. 29/498,786.
 Entire prosecution history of U.S. Appl. No. 29/499,977.
 Entire prosecution history of U.S. Appl. No. 29/558,747.
 Entire prosecution history of U.S. Appl. No. 29/558,750.
 Entire prosecution history of U.S. Appl. No. 29/558,755.
 Entire prosecution history of U.S. Appl. No. 29/558,760.
 Entire prosecution history of U.S. Appl. No. 29/644,299.
 Entire prosecution history of U.S. Appl. No. 29/644,302.
 Entire prosecution history of U.S. Appl. No. 29/644,303.
 Entire prosecution history of U.S. Appl. No. 29/647,787.
<https://www.itamed.com/our-products/maternity-women-s-health-collection/post-surgical.html>, printed Sep. 13, 2004.
 Kendall Obstetric & Neonatal Products Brochure, Jan. 2004 ed.
 Pakcare Catalog: 2008 Presentations.

* cited by examiner

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

(57) **CLAIM**

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

DESCRIPTION

FIG. 1A is a perspective view of a therapy pack according to the invention, showing the new design in which the spheres or beads are a first color at a first transient temporal moment;
 FIG. 1B is a perspective view thereof in which the spheres or beads are a second color at a second transient temporal moment;
 FIG. 1C is a perspective view thereof in which the spheres or beads are a third color at a third transient temporal moment;
 FIG. 2A is a front plan view thereof in which the spheres or beads are the first color at a first transient temporal moment;

FIG. 2B is a front plan view thereof in which the spheres or beads are the second color at a second transient temporal moment;
 FIG. 2C is a front plan view thereof in which the spheres or beads are the third color at a third transient temporal moment;
 FIG. 3A is a rear plan view thereof in which the spheres or beads are the first color at a first transient temporal moment;
 FIG. 3B is a rear plan view thereof in which the spheres or beads are the second color at a second transient temporal moment;
 FIG. 3C is a rear plan view thereof in which the spheres or beads are the third color at a third transient temporal moment;
 FIG. 4A is a left-side elevation view thereof in which the spheres or beads are the first color at a first transient temporal moment;
 FIG. 4B is a left-side elevation view thereof in which the spheres or beads are the second color at a second transient temporal moment;
 FIG. 4C is a left-side elevation view thereof in which the spheres or beads are the third color at a third transient temporal moment;
 FIG. 5A is a right elevation view thereof in which the spheres or beads are the first color at a first transient temporal moment;
 FIG. 5B is a right-side elevation view thereof in which the spheres or beads are the second color at a second transient temporal moment;
 FIG. 5C is a right-side elevation view thereof in which the spheres or beads are the third color at a third transient temporal moment;
 FIG. 6A is a top elevation view thereof in which the spheres or beads are the first color at a first transient temporal moment;
 FIG. 6B is a top elevation view thereof in which the spheres or beads are the second color at a second transient temporal moment;
 FIG. 6C is a top elevation view thereof in which the spheres or beads are the third color at a third transient temporal moment;
 FIG. 7A is a bottom elevation view thereof in which the spheres or beads are the first color at a first transient temporal moment;
 FIG. 7B is a bottom elevation view thereof in which the spheres or beads are the second color at a second transient temporal moment; and,
 FIG. 7C is a bottom elevation view thereof in which the spheres or beads are the third color at a third transient temporal moment.
 The appearance of the therapy pack design transitions back and forth sequentially between the first, second, and third bead color displays, depicted in grayscale, in the A, B, and C views of each numbered figure set described above and shown. Grayscale shading of the beads in the figures is representative of color generically and is not intended to represent specific colors or otherwise limit the colors or combinations thereof claimed. The process or period in which one appearance transitions to another forms no part of the claimed design. The spheres or beads illustrated in the drawings are drawn so as to appear as transparent or semi-transparent. The spheres or beads are non-fixed in position relative to one another. The baffle(s) illustrated is/are formed of two transparent pack walls, sealed together to form a thin, flat, planar surface illustrated in the drawings.

The shading lines indicate the clear or transparent nature of the therapy pack shell, and also of the baffle(s). Structure illustrated in broken lines is environment only and is not otherwise part of the claimed design.

1 Claim, 21 Drawing Sheets

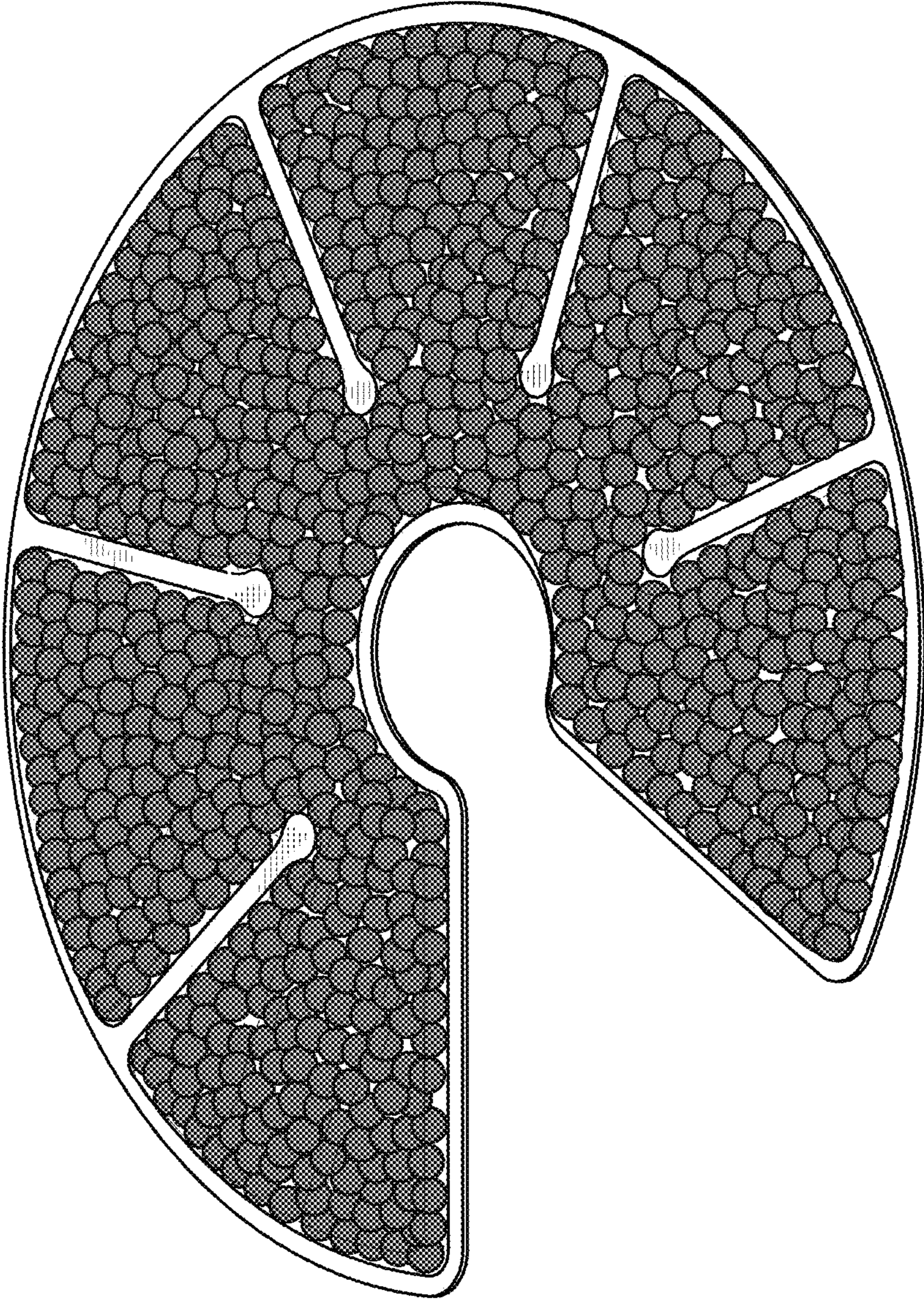


FIG. 1A

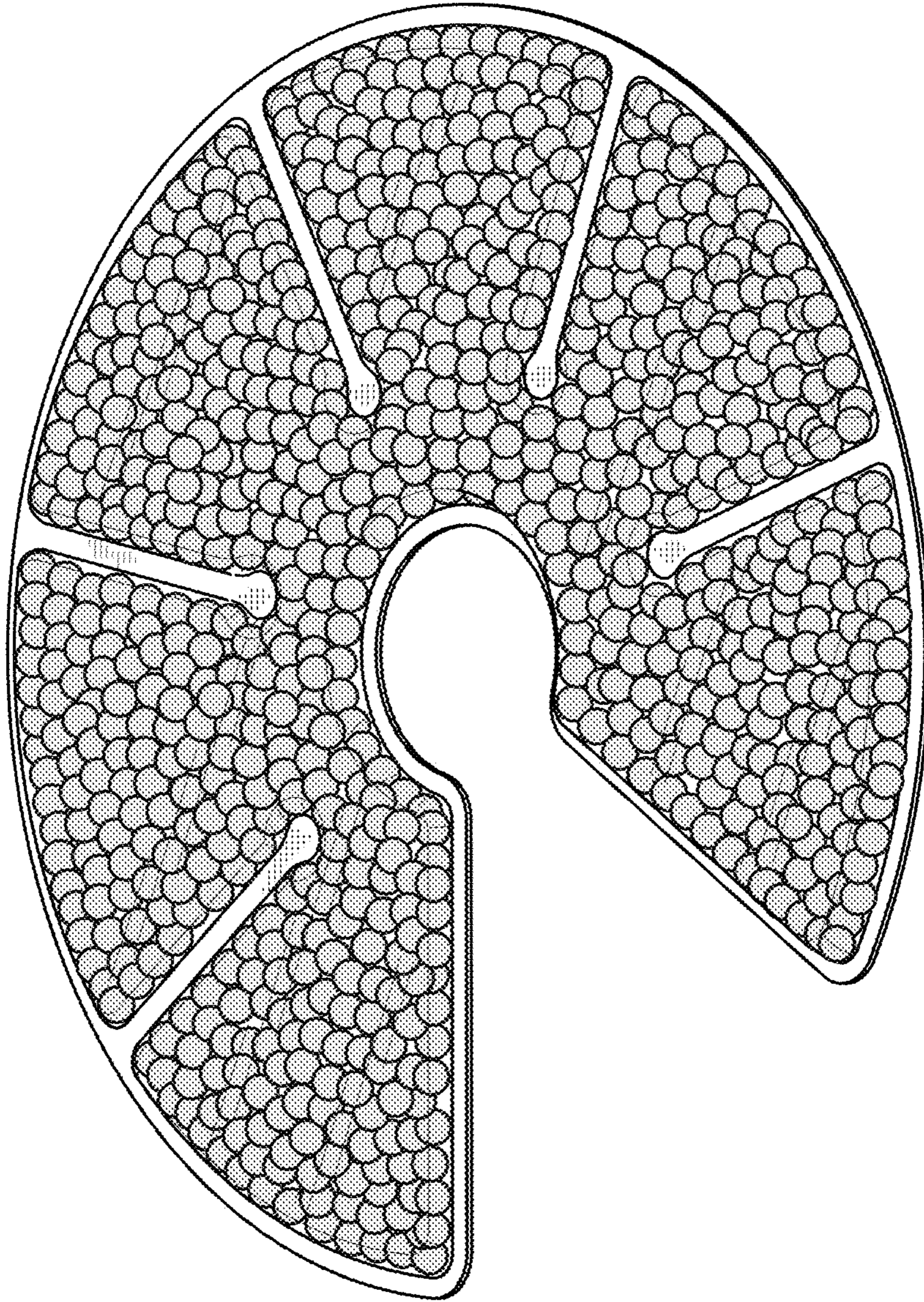


FIG. 1B

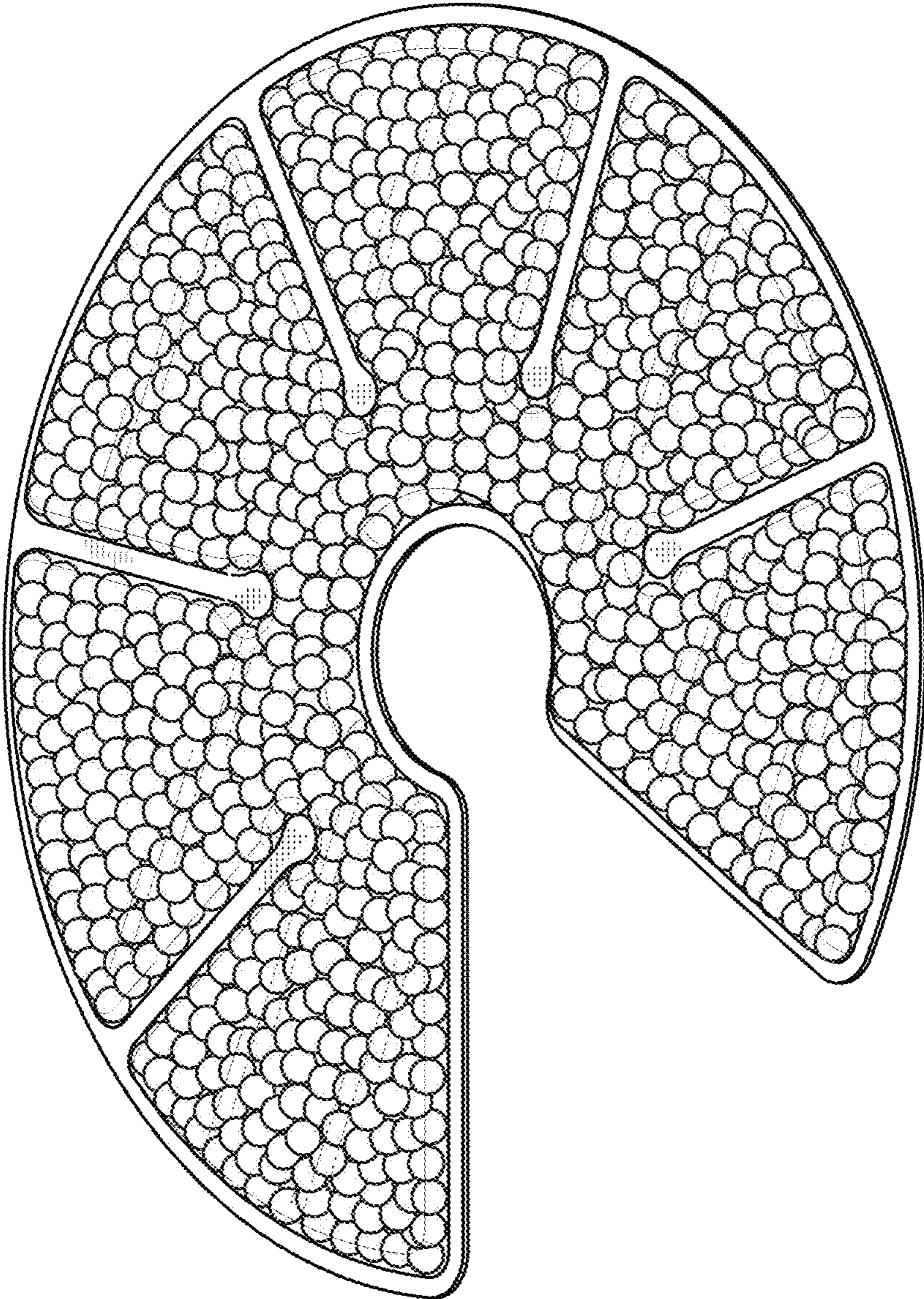


FIG. 1C

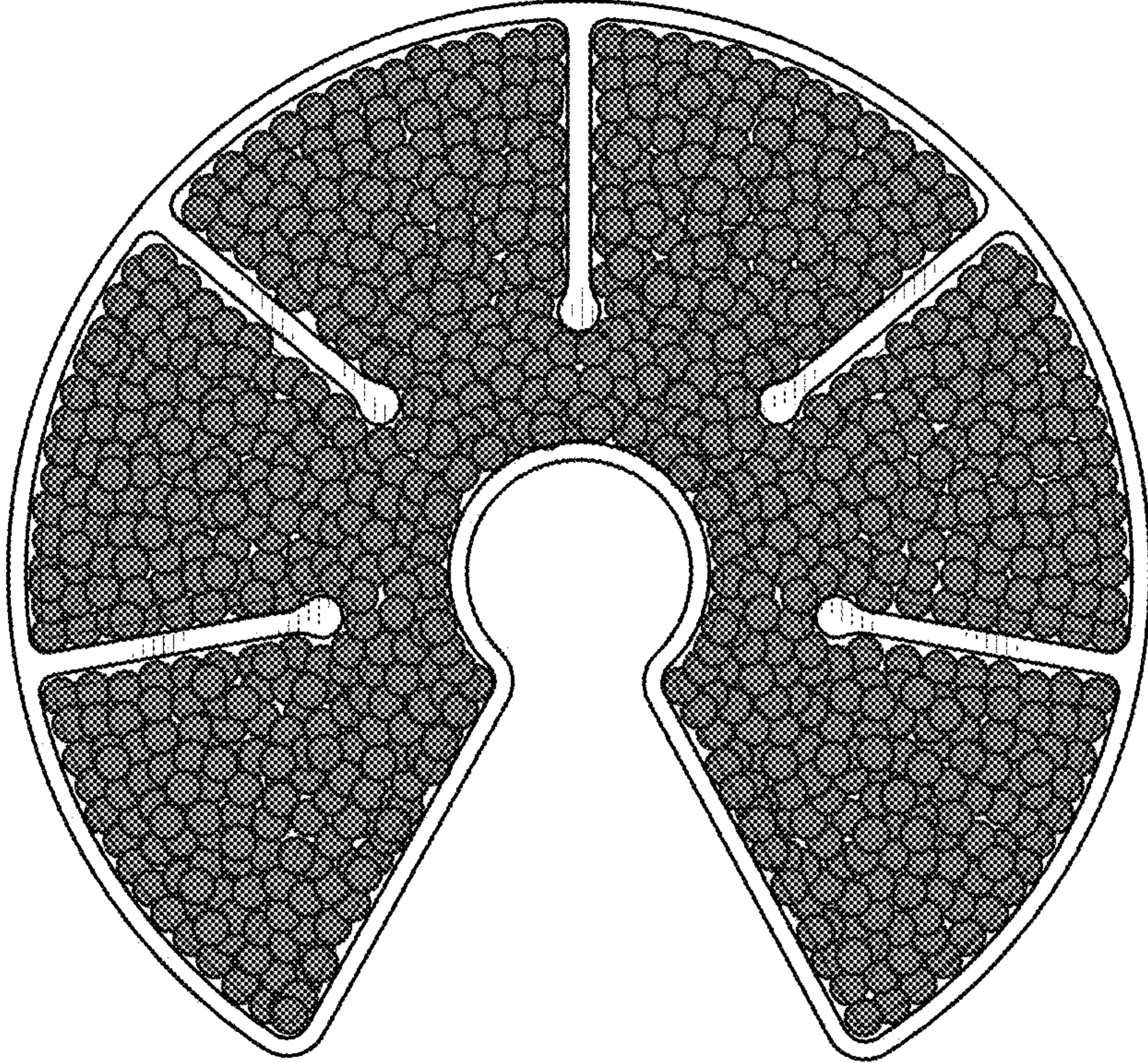


FIG. 2A

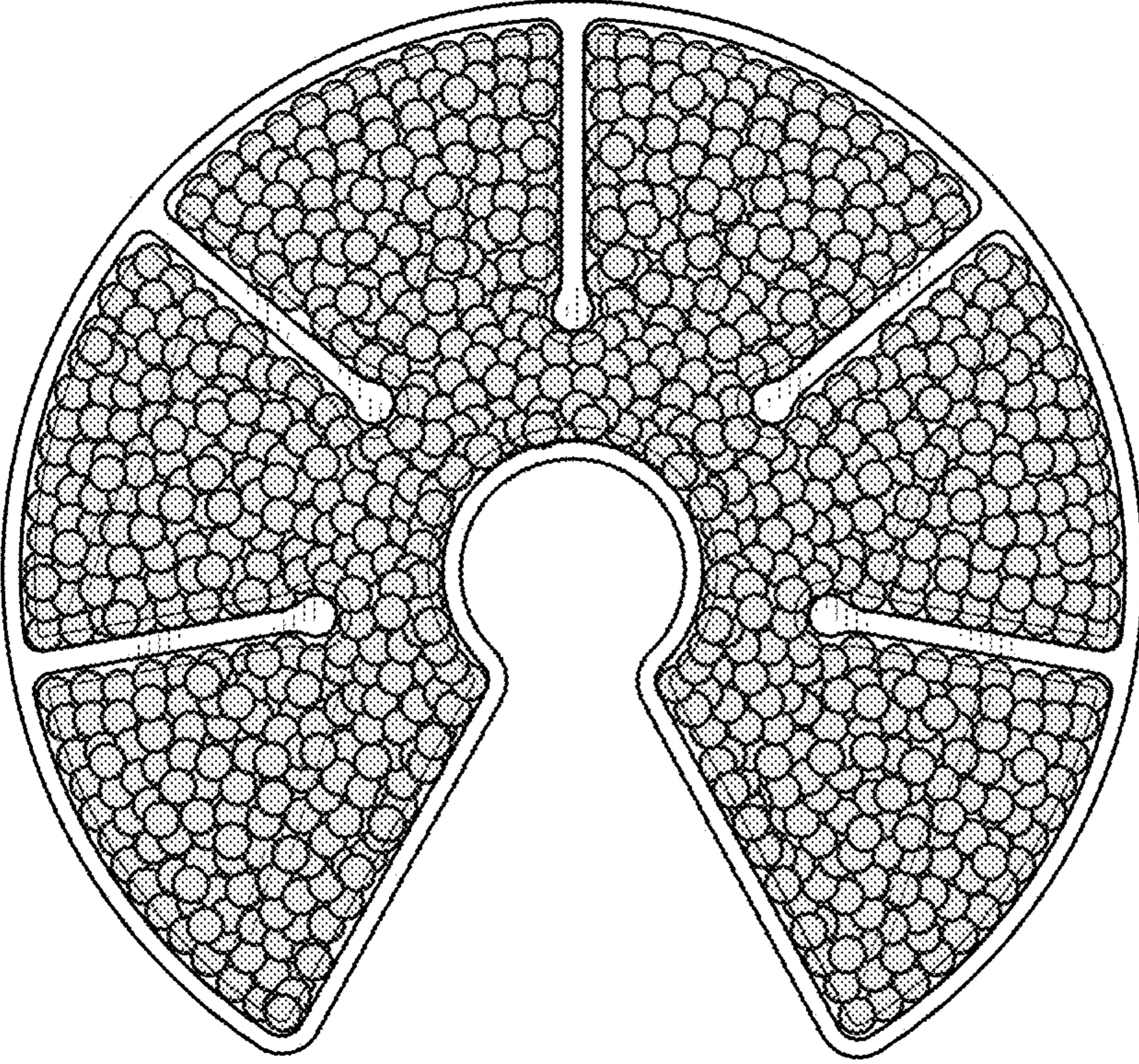


FIG. 2B

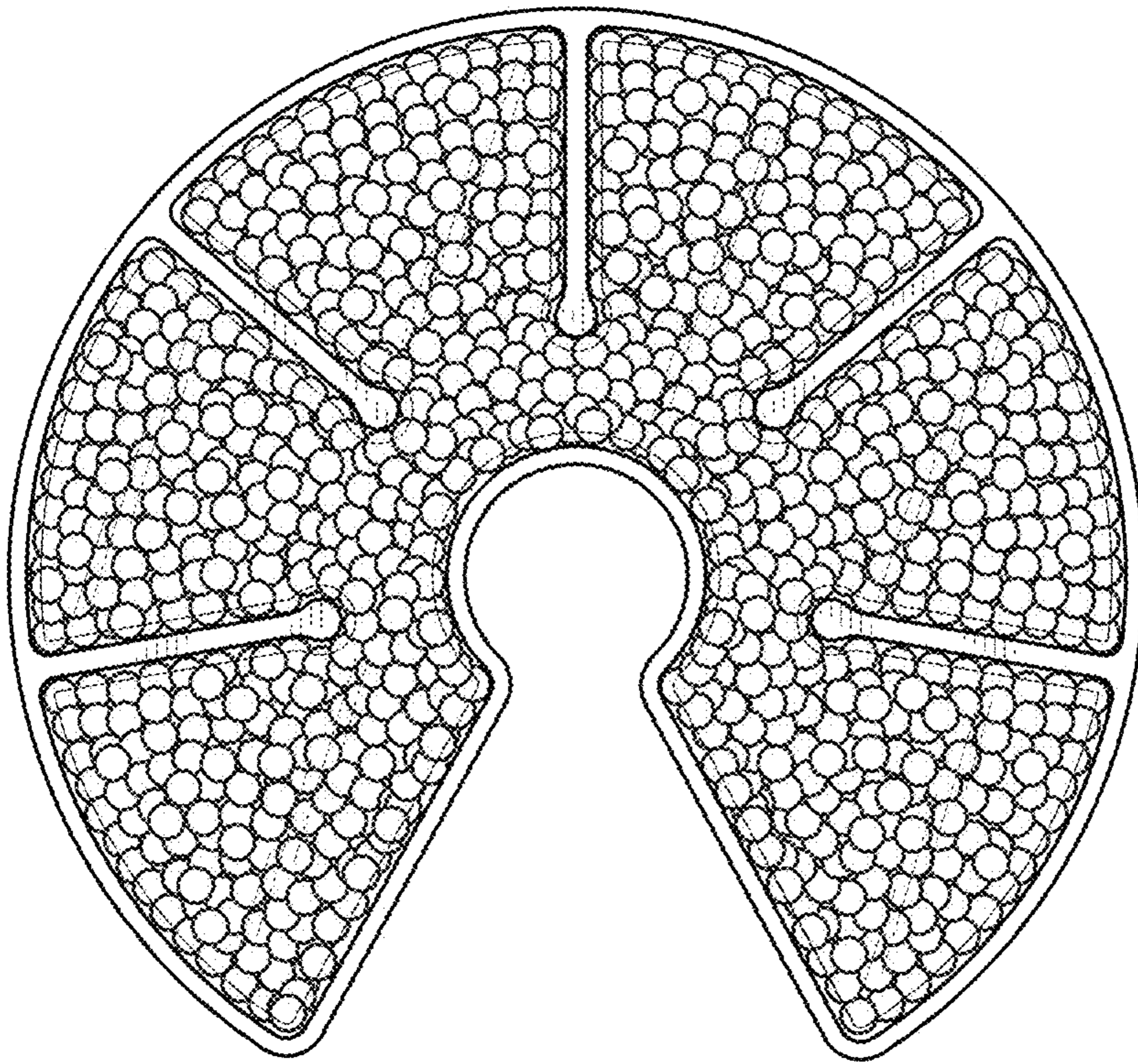


FIG. 2C

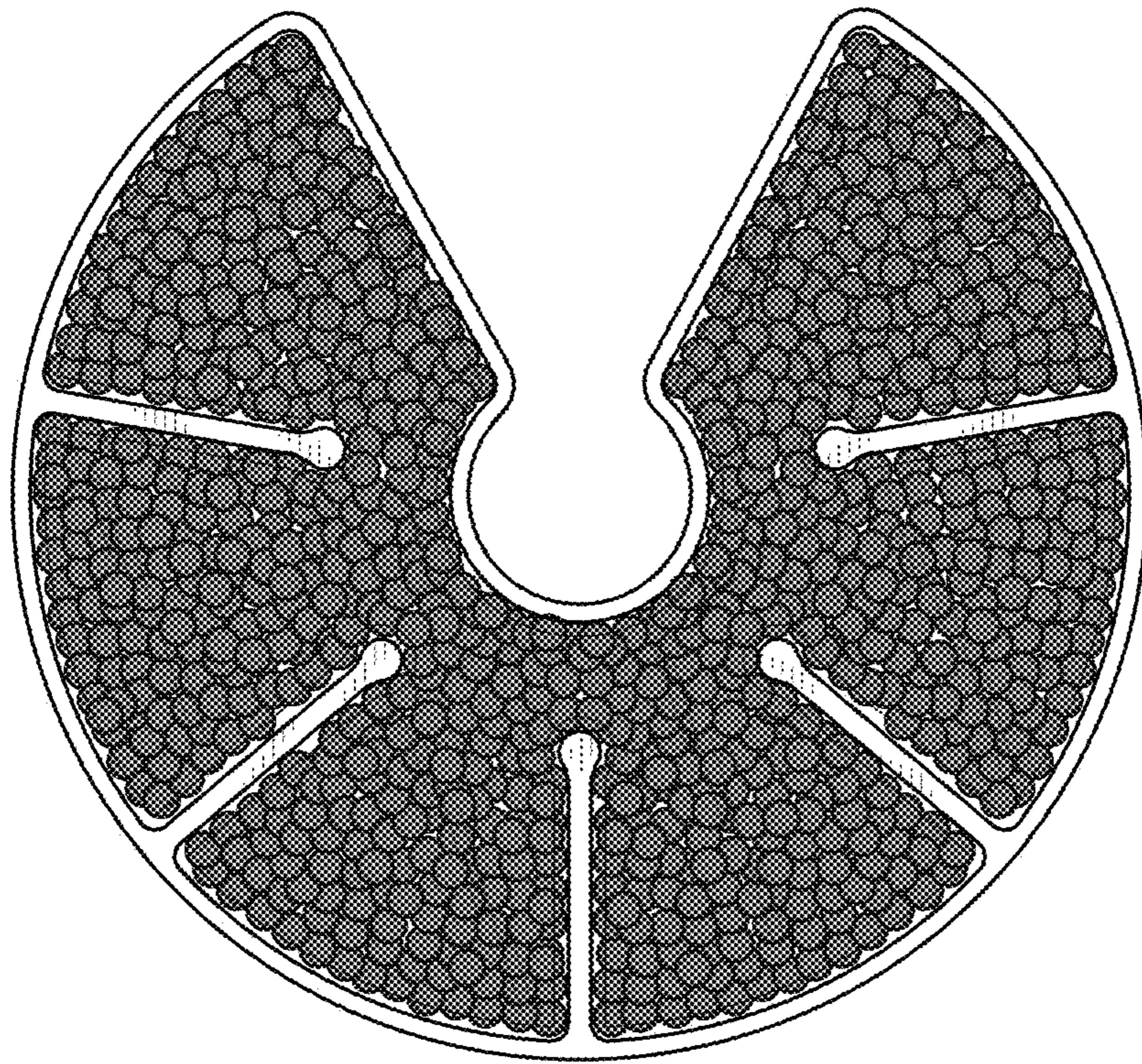


FIG. 3A

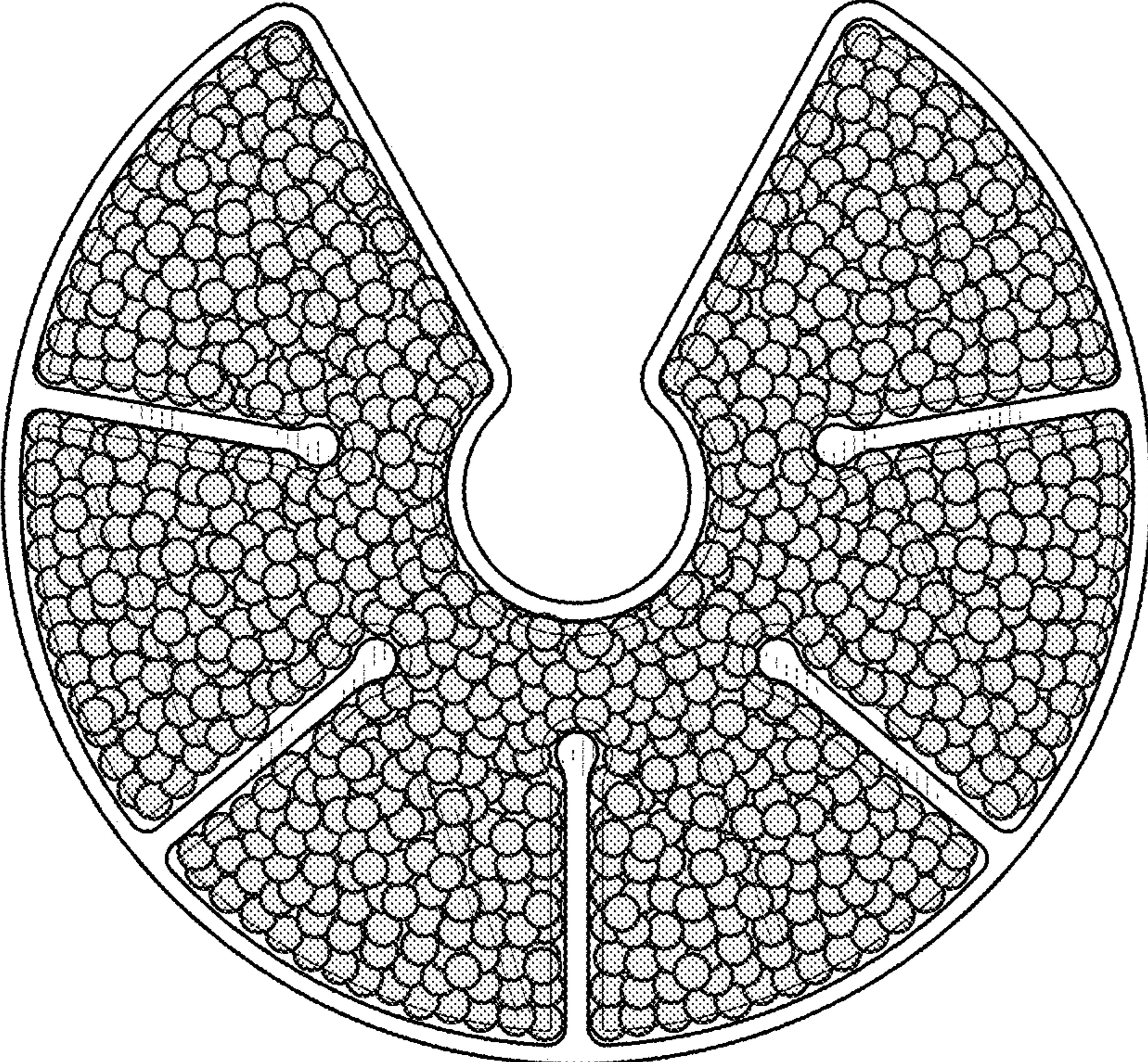


FIG. 3B

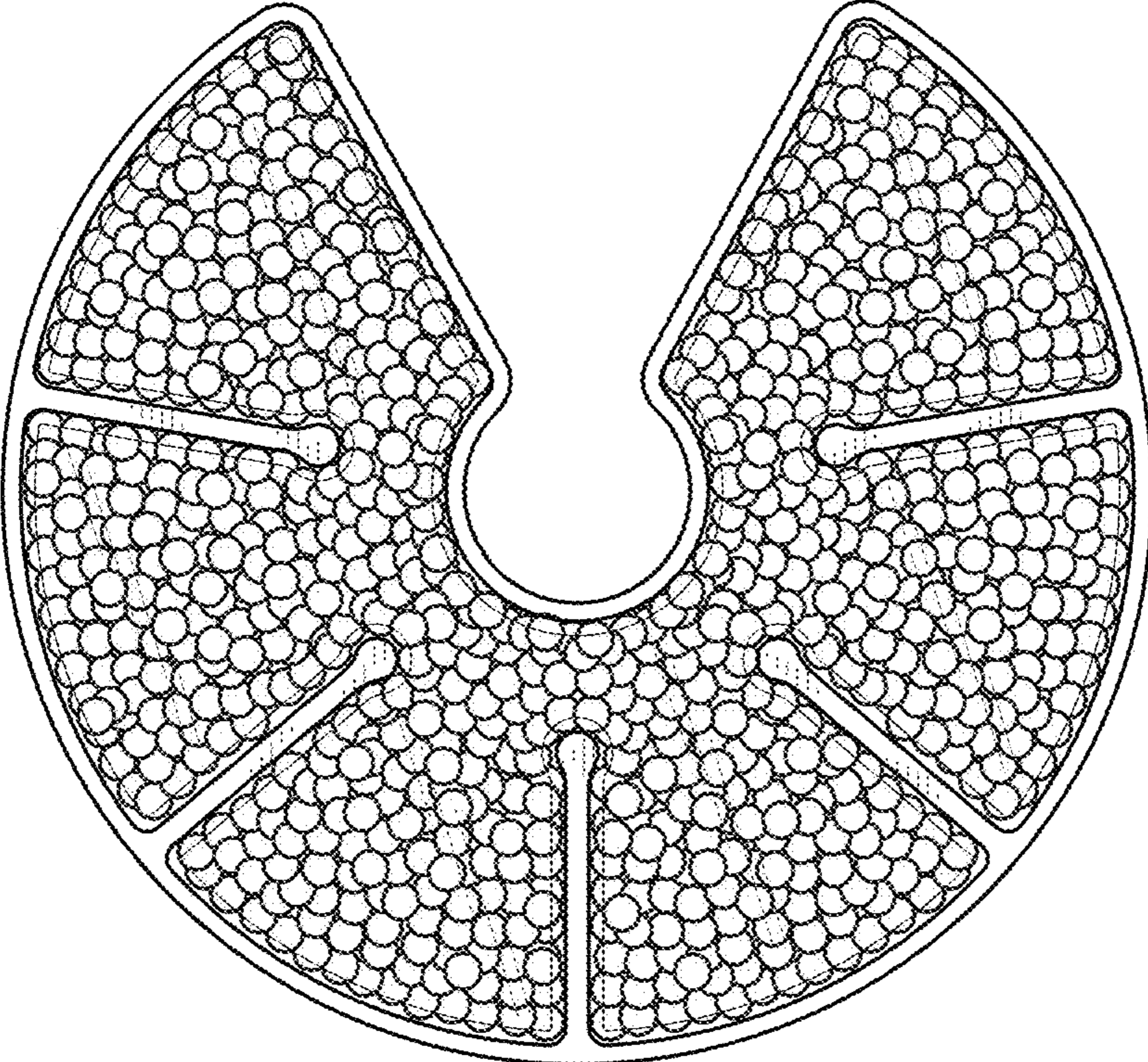


FIG. 3C

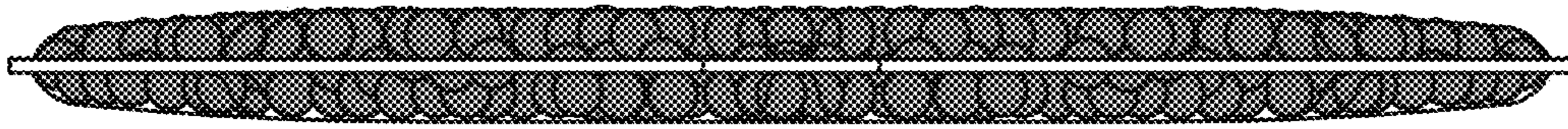


FIG. 4A

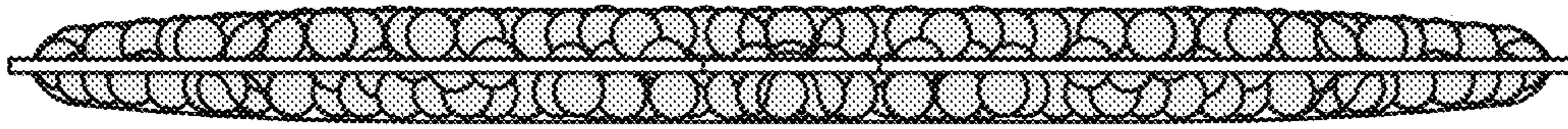


FIG. 4B



FIG. 4C

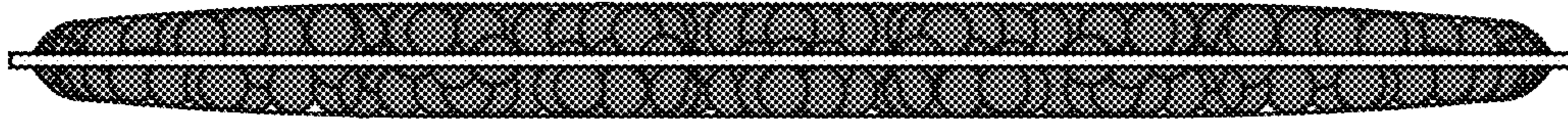


FIG. 5A

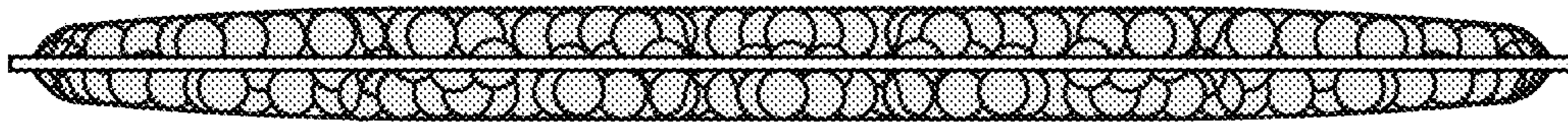


FIG. 5B



FIG. 5C



FIG. 6A

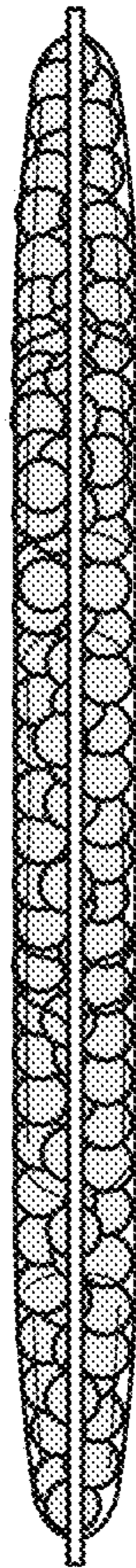


FIG. 6B



FIG. 6C



FIG. 7A

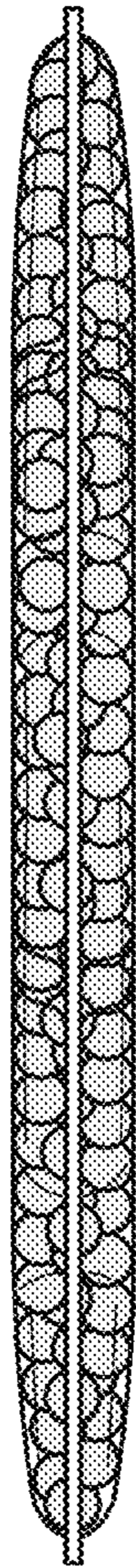


FIG. 7B

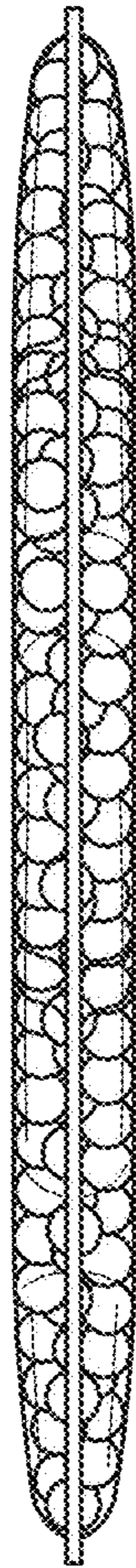


FIG. 7C