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(12) **United States Design Patent** (10) **Patent No.:** **US D981,062 S**
Xavier et al. (45) **Date of Patent:** **** Mar. 14, 2023**

(54) **BRUSH CLEANING DEVICE**
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(**) Term: **15 Years**
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(52) **U.S. Cl.**
USPC **D32/35; D4/120**
(58) **Field of Classification Search**
USPC D4/100, 102, 117, 118, 119, 120, 121, D4/127, 128, 129, 130, 132, 133, 134, D4/135, 136, 137, 138, 199; D28/63; D24/215; D32/35, 40, 55
CPC .. A46B 5/02; A46B 9/005; A46B 9/02; A46B 9/06; A46B 2200/102; A46B 17/06; A47K 7/02; A61H 7/002; A47L 13/16
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
61,841 A 2/1867 Lewis
415,026 A 11/1889 Robert et al.
(Continued)
FOREIGN PATENT DOCUMENTS
CN 2448274 Y 9/2001
CN 2858178 Y 1/2007
(Continued)
OTHER PUBLICATIONS

Sigma Beauty Switch Brush Cleaner [on-line]. [Original publication date unknown.] [Retrieved from the Internet Nov. 7, 2022.] URL: <<https://www.bing.com/shop/product?oid=73503009522&offerid=>

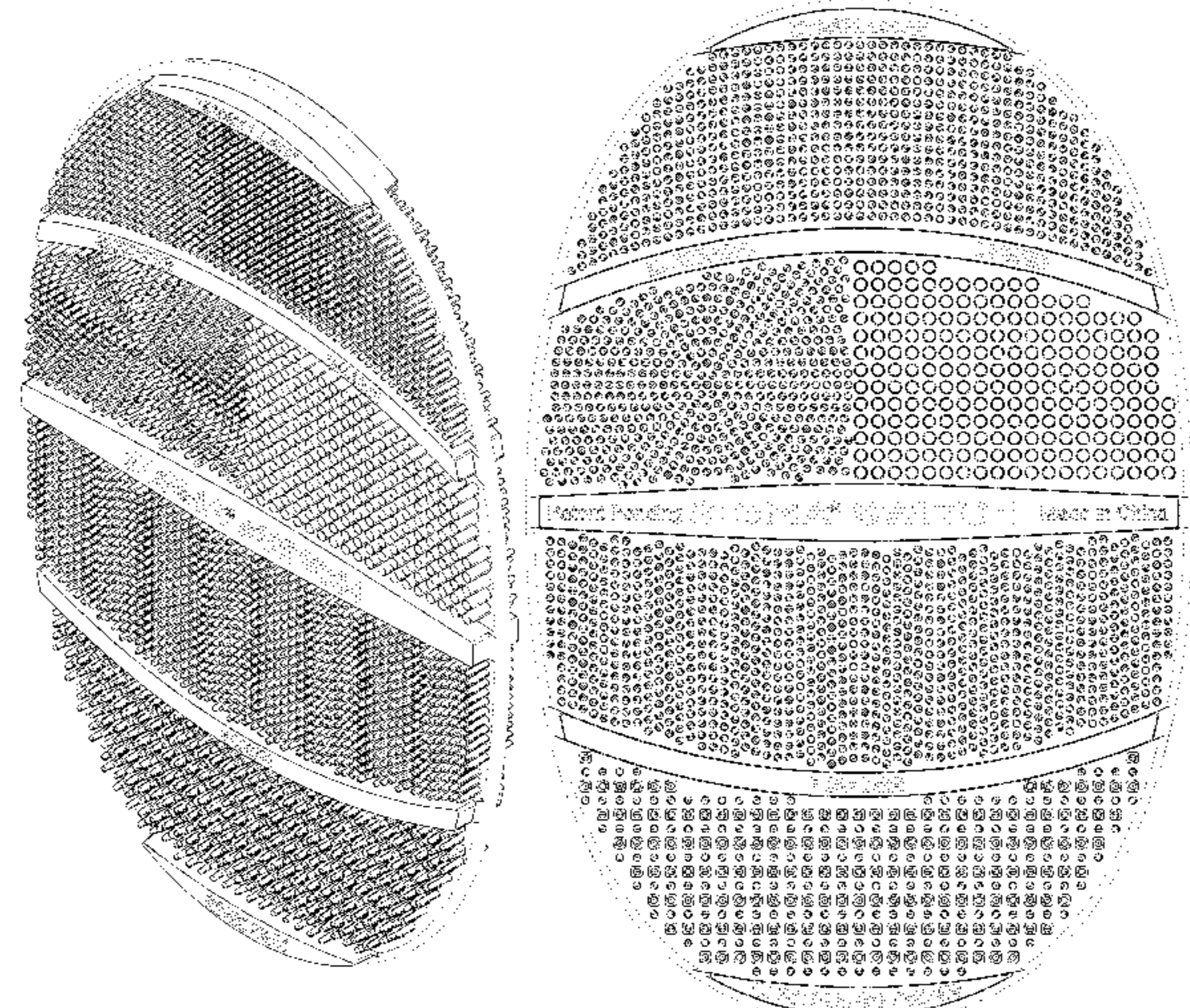
1wjrmZWgfzApaQwMttNzg3wQyV&storeId=2487&blid=7146861492059&q=sigma%20enterprises%20makeup%20brush%20cleaner&originlGUID=EB85AF27A386446786D0BA752A86D8E3&form=LIASSTR> (Year: 2022).*
(Continued)

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(57) **CLAIM**
We claim the ornamental design for a brush cleaning device, as shown and described.

DESCRIPTION
FIG. 1 is an isometric view of a top portion of a brush cleaning device of the present invention; FIG. 2 is a front elevation view thereof; FIG. 3 is a rear elevation view thereof; FIG. 4 is a left side elevation view thereof; FIG. 5 is a right side elevation view thereof; FIG. 6 is a top plan view thereof; FIG. 7 is a bottom plan view thereof; and FIG. 8 is a cross-sectional view thereof, taken along line A-A of FIG. 2.
FIG. 9 is an isometric view of a top portion of a brush cleaning device of the present invention; FIG. 10 is a front elevation view thereof; FIG. 11 is a rear elevation view thereof; FIG. 12 is a left side elevation view thereof; FIG. 13 is a right side elevation view thereof; FIG. 14 is a top plan view thereof; FIG. 15 is a bottom plan view thereof; and, FIG. 16 is a cross-sectional view thereof, taken along line B-B of FIG. 10.
The broken lines in the figures represent portions of the brush cleaning device which are not part of the claimed design.

1 Claim, 12 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

456,085 A 7/1891 Wallace et al.
 926,462 A 6/1909 Blowers
 1,209,763 A 12/1916 Rosengren
 1,279,855 A 9/1918 Garvey
 1,491,016 A 4/1924 Lennen et al.
 1,559,114 A 10/1925 Maranville
 1,657,784 A 1/1928 Bergstrom
 1,782,502 A 11/1930 Allen
 1,877,527 A 9/1932 Moran
 1,884,659 A 10/1932 Gould
 1,885,572 A 11/1932 Wood
 1,910,647 A 5/1933 Steeg et al.
 1,979,130 A 10/1934 Wiley
 1,984,183 A 12/1934 Gillespie
 2,187,430 A 1/1940 Olmsted et al.
 D132,564 S 5/1942 Lindfelt
 2,325,903 A 8/1943 Blair et al.
 2,413,325 A 12/1946 Horton et al.
 2,880,436 A 4/1959 Hayden
 2,984,095 A 5/1961 Bass et al.
 D193,090 S 6/1962 Kraines et al.
 3,255,462 A 6/1966 Antonious
 3,513,061 A 5/1970 Vinicki
 3,648,320 A 3/1972 Woolley
 3,798,698 A 3/1974 Conklin, Jr.
 4,040,390 A 8/1977 Rosenbaum et al.
 4,154,883 A 5/1979 Elias
 D256,181 S 8/1980 Kupperman et al.
 D268,968 S 5/1983 Sami
 D270,582 S 9/1983 Pietrocola
 4,457,640 A 7/1984 Anderson et al.
 4,494,267 A 1/1985 Fredley
 4,621,388 A 11/1986 Ortolivo
 D301,422 S 6/1989 Schmidt
 4,871,074 A 10/1989 Bryson et al.
 D304,512 S 11/1989 Schmidt et al.
 D312,340 S 11/1990 McCugh
 4,980,943 A 1/1991 Barber
 5,022,093 A 6/1991 Hall
 D324,541 S 3/1992 Dudley
 D326,750 S 6/1992 Druzek
 5,322,056 A 6/1994 Menghi et al.
 D354,989 S 1/1995 West
 5,441,355 A 8/1995 Moore
 D363,577 S 10/1995 Craft et al.
 D363,606 S 10/1995 Abrahamson
 D375,630 S 11/1996 Oliver
 5,687,444 A 11/1997 Hakker
 5,729,858 A 3/1998 Riffel et al.
 5,815,840 A 10/1998 Hamlin
 D401,971 S 12/1998 Chang
 D406,680 S 3/1999 Hakker
 5,898,942 A 5/1999 Anderson
 6,018,837 A 2/2000 Andreu
 6,058,882 A 5/2000 Leutholt
 D429,860 S 8/2000 Denney
 D439,386 S 3/2001 Denney
 6,226,811 B1 * 5/2001 Fagan A47K 7/024
 4/606
 6,264,391 B1 7/2001 Kroha
 D446,616 S 8/2001 Denney
 6,275,995 B1 8/2001 Le et al.
 6,460,190 B1 10/2002 Blum
 D468,193 S 1/2003 Ohm et al.
 6,560,813 B2 5/2003 Brown et al.
 6,581,211 B1 6/2003 Golden
 D477,690 S 7/2003 Howell et al.
 6,669,657 B1 12/2003 Ongwela
 D488,601 S 4/2004 Solanky et al.
 D492,816 S 7/2004 Bergquist et al.
 6,811,338 B1 11/2004 Manske, Jr. et al.
 D511,941 S 11/2005 Mcguyer
 D514,765 S 2/2006 Dretzka
 D517,753 S * 3/2006 Northrop D32/57
 D523,192 S 6/2006 Northrop

D526,096 S 8/2006 Kaposi
 D528,251 S 9/2006 Lion et al.
 7,117,536 B2 10/2006 Burnett et al.
 RE39,388 E 11/2006 Debartolo
 D537,997 S 3/2007 Plikuhn
 7,210,171 B2 5/2007 Jacobs et al.
 D544,264 S 6/2007 Gallagher
 D544,665 S 6/2007 Keene
 7,234,170 B2 6/2007 Simic
 D554,331 S 11/2007 Matis
 D556,967 S 12/2007 Martins et al.
 D560,048 S 1/2008 Snell
 D569,578 S 5/2008 Yan
 D581,120 S 11/2008 Sofy et al.
 7,500,282 B1 * 3/2009 Park A47K 7/02
 4/606
 D603,563 S 11/2009 Cho
 D609,916 S 2/2010 Benson et al.
 D609,917 S 2/2010 Benson et al.
 D610,753 S 2/2010 Moskowitz
 7,681,250 B2 3/2010 Friedstrom
 7,707,654 B1 5/2010 Spence
 D625,482 S 10/2010 Yang et al.
 7,823,245 B2 11/2010 Firouzman
 D646,034 S 9/2011 Scott et al.
 D650,522 S 12/2011 Gundersen
 D651,408 S 1/2012 Farkas
 D662,292 S 6/2012 Meynard
 D665,548 S 8/2012 Arvinte et al.
 D667,187 S 9/2012 Sowinski et al.
 8,356,378 B1 1/2013 Crooms
 8,371,044 B2 2/2013 Rusnak
 D685,560 S 7/2013 Lee et al.
 D687,623 S 8/2013 Norris
 D700,400 S 2/2014 Saman
 D701,000 S 3/2014 Digirolamo et al.
 8,677,544 B1 3/2014 Raven et al.
 D702,886 S 4/2014 Bohman
 D703,409 S 4/2014 Robbins et al.
 8,689,387 B2 4/2014 Gundersen
 D707,005 S 6/2014 Levy et al.
 D712,610 S 9/2014 Arvinte et al.
 9,015,895 B2 4/2015 Filho et al.
 D746,010 S * 12/2015 Xavier D32/57
 D747,628 S 1/2016 Kowalczyk
 D747,835 S 1/2016 Barnard et al.
 D758,666 S 6/2016 Carrillo et al.
 D764,709 S 8/2016 Filho et al.
 D766,511 S 9/2016 Filho et al.
 D767,226 S 9/2016 Albers et al.
 9,474,361 B2 10/2016 Filho et al.
 9,492,050 B2 11/2016 Filho et al.
 D778,020 S * 1/2017 Cole D32/35
 D779,137 S 2/2017 Taylor
 D779,140 S 2/2017 Lim et al.
 D783,913 S 4/2017 Maitland et al.
 D793,016 S 7/2017 Fakier
 D795,516 S 8/2017 Logan et al.
 D802,237 S 11/2017 Huang et al.
 9,888,764 B2 2/2018 Xavier et al.
 9,924,790 B2 3/2018 Xavier et al.
 D824,620 S * 7/2018 Xavier D32/35
 D830,025 S * 10/2018 Huang D32/35
 D830,027 S * 10/2018 Zhou D32/40
 D833,095 S * 11/2018 Li D32/35
 10,238,244 B2 * 3/2019 Gordon A45D 44/22
 10,349,734 B2 * 7/2019 Xavier A46B 9/02
 D876,841 S * 3/2020 Odunsi D4/119
 D882,176 S * 4/2020 Huang D28/63
 D895,917 S * 9/2020 Hiltenbrand D32/40
 D902,491 S * 11/2020 de la Cruz D28/63
 D919,212 S * 5/2021 Li D32/35
 D919,304 S * 5/2021 Yao D28/63
 D934,573 S * 11/2021 Tuman D5/58
 D935,721 S * 11/2021 Kaicker D32/57
 D936,924 S * 11/2021 Kaicker D32/57
 D957,770 S * 7/2022 Kaicker D4/130
 2003/0204927 A1 11/2003 Kelly
 2005/0166301 A1 8/2005 Tweel et al.

(56)

References Cited

U.S. PATENT DOCUMENTS

2005/0177965	A1	8/2005	Edoh	
2006/0191092	A1	8/2006	O'reilly et al.	
2006/0272116	A1	12/2006	Thompson	
2007/0048063	A1	3/2007	Bauer et al.	
2007/0118963	A1	5/2007	Snyder	
2007/0277288	A1	12/2007	Sing et al.	
2008/0109933	A1	5/2008	Dolenak	
2008/0178366	A1	7/2008	Daher	
2008/0244848	A1	10/2008	Firouzman	
2008/0283078	A1	11/2008	Dumler et al.	
2009/0139007	A1	6/2009	Bevier	
2010/0192318	A1	8/2010	Huizinga	
2010/0218326	A1	9/2010	Yamaguchi	
2011/0041276	A1	2/2011	Edwards et al.	
2012/0023693	A1	2/2012	Pung et al.	
2012/0060312	A1	3/2012	Kubes	
2014/0000052	A1	1/2014	Filho et al.	
2014/0289987	A1	10/2014	Filho et al.	
2015/0027495	A1	1/2015	Xavier et al.	
2015/0027496	A1	1/2015	Xavier et al.	
2016/0058170	A1	3/2016	Filho et al.	
2016/0113387	A1	4/2016	Filho et al.	
2016/0135582	A1*	5/2016	Yen	A46B 13/008 15/22.1

FOREIGN PATENT DOCUMENTS

CN	2868178	Y	2/2007
CN	201441347	U	4/2010
CN	101856156	A	10/2010
CN	101856166	A	10/2010
CN	102665485	A	9/2012
DE	29703954.7	U1	5/1997
DE	20102840	U1	6/2001
EP	2682035	A2	1/2014
FR	1162308	A	9/1958
FR	2245476	A1	4/1975
FR	2443243	A2	7/1980
JP	10165353	A	6/1998
JP	2003199621	A	7/2003
JP	2004249061	A	9/2004
JP	2009189640	A	8/2009
KR	200422216	Y1	7/2006
SE	620750001		10/1996
WO	0201997	A2	1/2002
WO	2011067677	A2	6/2011

OTHER PUBLICATIONS

“2X Sigma Spa® Brush Cleaning Glove.” Retrieved Dec. 14, 2015 from <https://web.archive.org/web/20140529021235/http://www.sigmabeauty.com/2X_Sigma_Spa_Brush_Cleaning_glove_p/ssg2x.htm>.

“Brushegg: A Compact Makeup Brush Cleaning Tool,” Coffee Sundays, Article Dec. 18, 2014, retrieved Jul. 8, 2016 from <<http://www.coffeesundays.com/2014/12/18/brushegg-a-compactmakeup-brush-cleaning-tool/>>, 14 pages.

“Dog Grooming: Rinse Ace Bath Mitt at Drs. Foster & Smith,” Review Apr. 10, 2011, retrieved Jul. 7, 2016 from <http://www.drsofostersmith.com/product/prod_display.cfm?pcatid=11101>, 4 pages.

“Makeup Brush Cleaning!” Rebekah Elizabeth, website copyright 2015, retrieved Jul. 8, 2016 from <<http://rebekaheliz.com/2013/05/29/makeup-brush-cleaning/>>, 5 pages.

“Sigma Spa™ Brush Cleaning Glove.” Retrieved Dec. 14, 2015 from <https://web.archive.org/web/20130220234830/http://www.sigmabeauty.com/Sigma_Spa_Brush_Cleaning_glove_p/bcOO1.htm?>>.

Amazon.com: Norpro Pink Silicone and Fabric Glove, Medium, from Norpro. retrieved Oct. 14, 2015 from <http://www.amazon.com/gp/product/B00IFB59OA?keyword=Norpro%20glove&qid=144483572l&ref_~sr_1_l&sF8-l>.

Defendants, Prior Art Statement (Litigation Document, U.S. Pat. No. 9,015,895), dated Mar. 18, 2016.

Defendants, Responsive Claim Chart (Litigation Document, U.S. Pat. No. 9,015,895), dated Mar. 18, 2016.

Dulce Candy: “Review/Demo: 2X Sigma Spa Brush Cleaning Glove”, Jun. 17, 2014. Retrieved Oct. 14, 2015 from <<https://www.youtube.com/watch?v=lx04MrHPkrQ>>.

How to Clean Makeup Brushes/Cleaning Guides. <<http://www.howtocleanstuff.net/how-to-clean-makeup-brushes/>> Apr. 2, 2012.

Makeup Brush Washing Instructions: How & Why Clean Your Dirty Cosmetic Brushes. <<http://www.freebeautytips.org/cleanbrushes.html>> Apr. 2, 2012.

Norpro—Quality for the Cook, retrieved Oct. 14, 2015 from <<https://web.archive.org/web/20121124064626/http://www.norpro.com/store/products/siliconefabric-oven-glove-pink>>.

Norpro—Quality for the Cook, retrieved Oct. 14, 2015 from <<https://web.archive.org/web/20090503194212/http://www.norpro.com/store/products/siliconefabric-oven-glove-pink>>.

Samanta: “New! Sigma 2X Spa Glove; the other end of the brush”, May 29, 2014. Retrieved Oct. 13, 2015 from <<https://theotherendofthebrush.wordpress.com/2014/05/29/new-sigma-2xspa-glove-2/>>.

Target Mobile Site—Silicone Solutions Black Silicone Oven Mitt. <http://sites.target.com/site/en/spot/mobile_product_detail.jsp?tcin=568859&keyword=sili>.

My Makeup Issues. “Sigma Spa Brush Cleaning Glove—Review.” Mar. 13, 2013. Retrieved Dec. 14, 2015 from <<http://mymakeupissues.blogspot.com/2013/03/sigma-spa-brush-cleaning-glove-review.html>>.

How to Clean Makeup Brushes Video and Steps. <<http://www.realsimple.com/beauty-fashion/makeup/how-to-clean-makeupbrushes-0000000...>> Apr. 3, 2012.

Office Action dated May 11, 2015 received in connection with Chinese Application No. 201310063907.8, including English translation.

PECO Ignores Pottstown too?, post date Jul. 1, 2010, <<http://www.saveardmorecoalition.org/node/4731/peco-ignores-pottstown-too>>, site visited Jul. 15, 2016, 9:57:06 PM.

Extended European Search Report dated Sep. 11, 2015 in connection with European Patent Application No. 14197771.0.

Extended European Search Report dated Sep. 11, 2015 in connection with European Patent Application No. 14197802.3.

Extended European Search Report dated Oct. 22, 2015 in connection with European Patent Application No. 15170663.7.

Plaintiff, Opening Claim Chart (Litigation Document, U.S. Pat. No. 9,015,895), dated Feb. 26, 2016.

Plaintiff, Statement (Litigation Document, U.S. Pat. No. 9,015,895), dated Apr. 13, 2016.

* cited by examiner

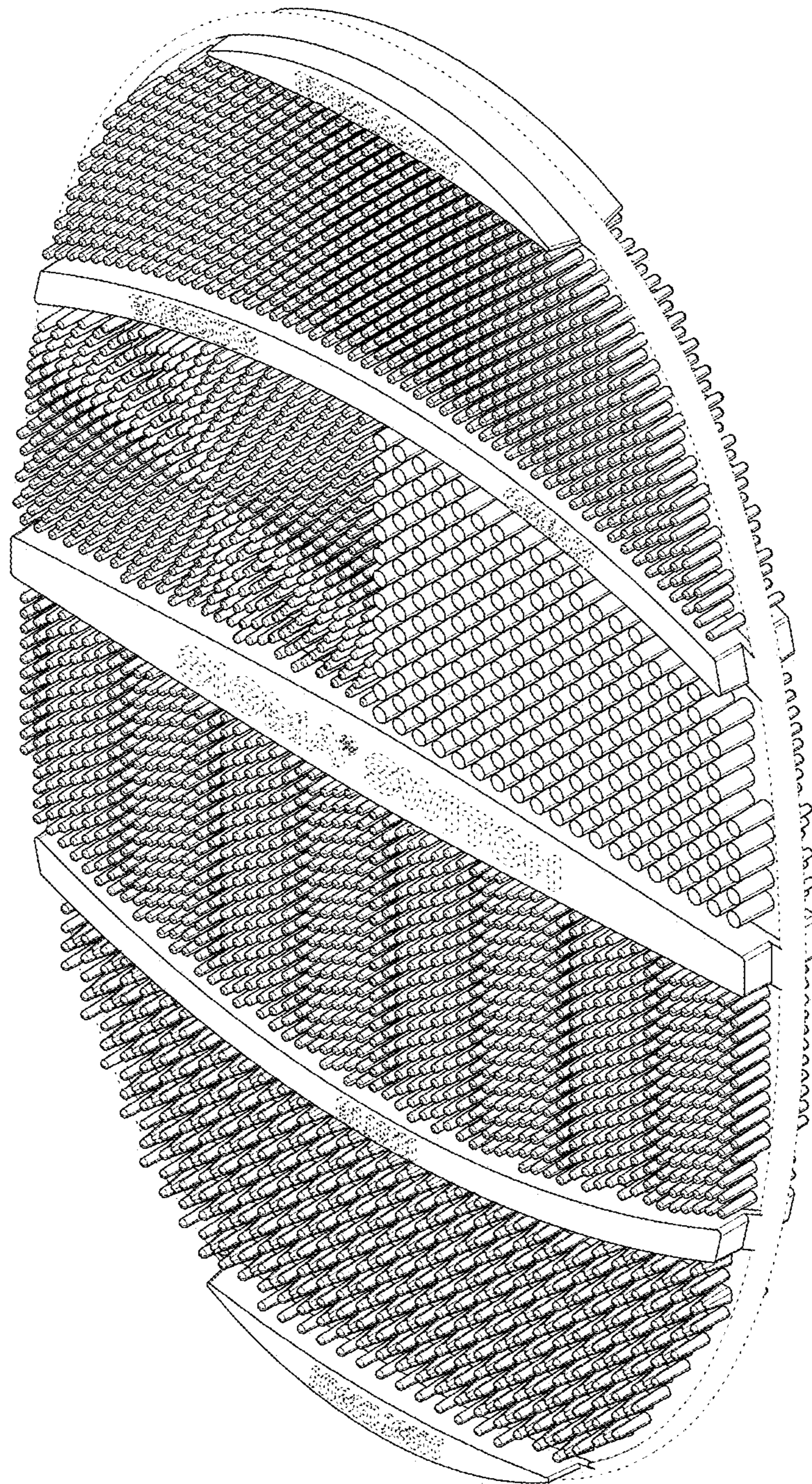
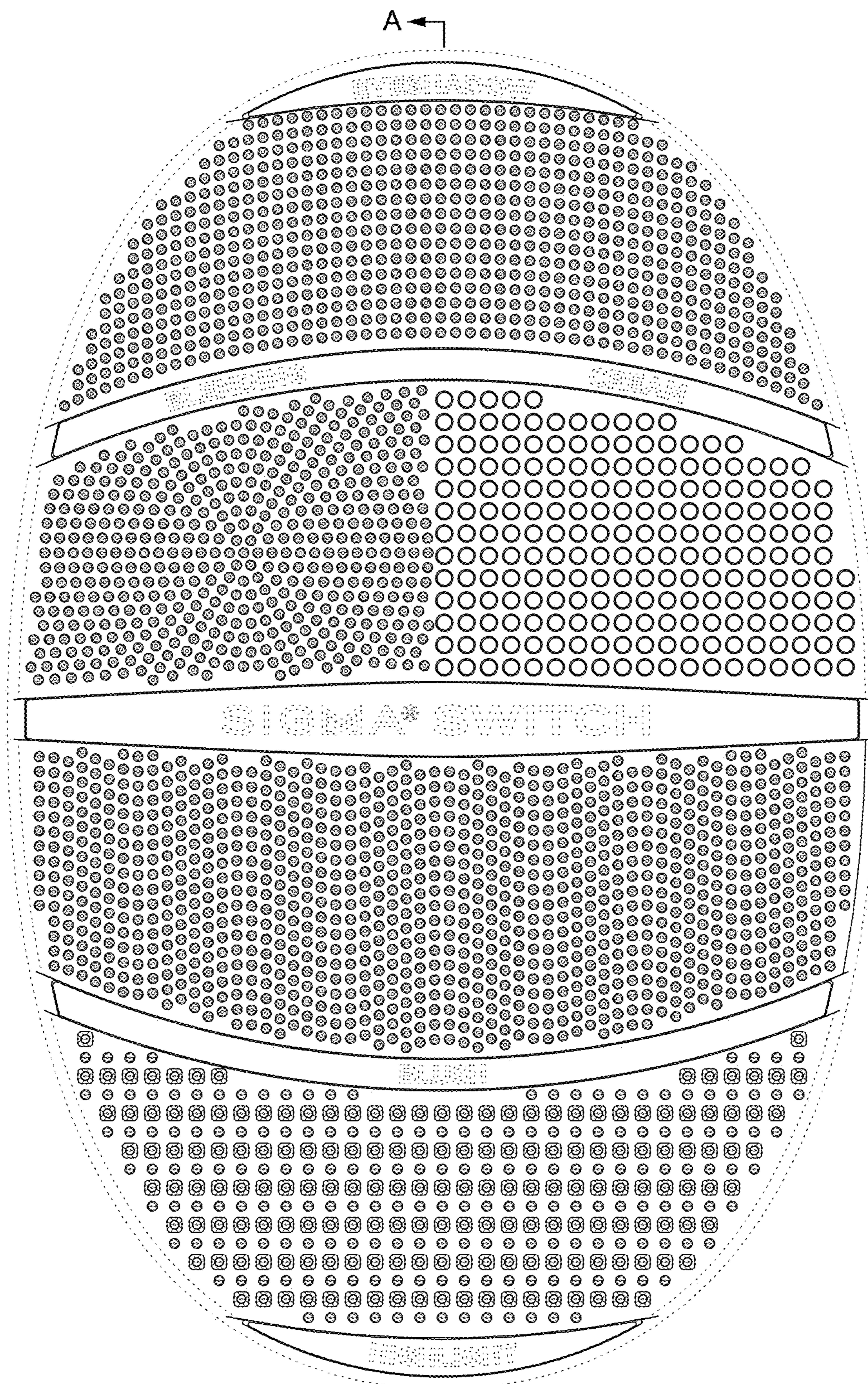


FIG. 1



A ←
FIG. 2

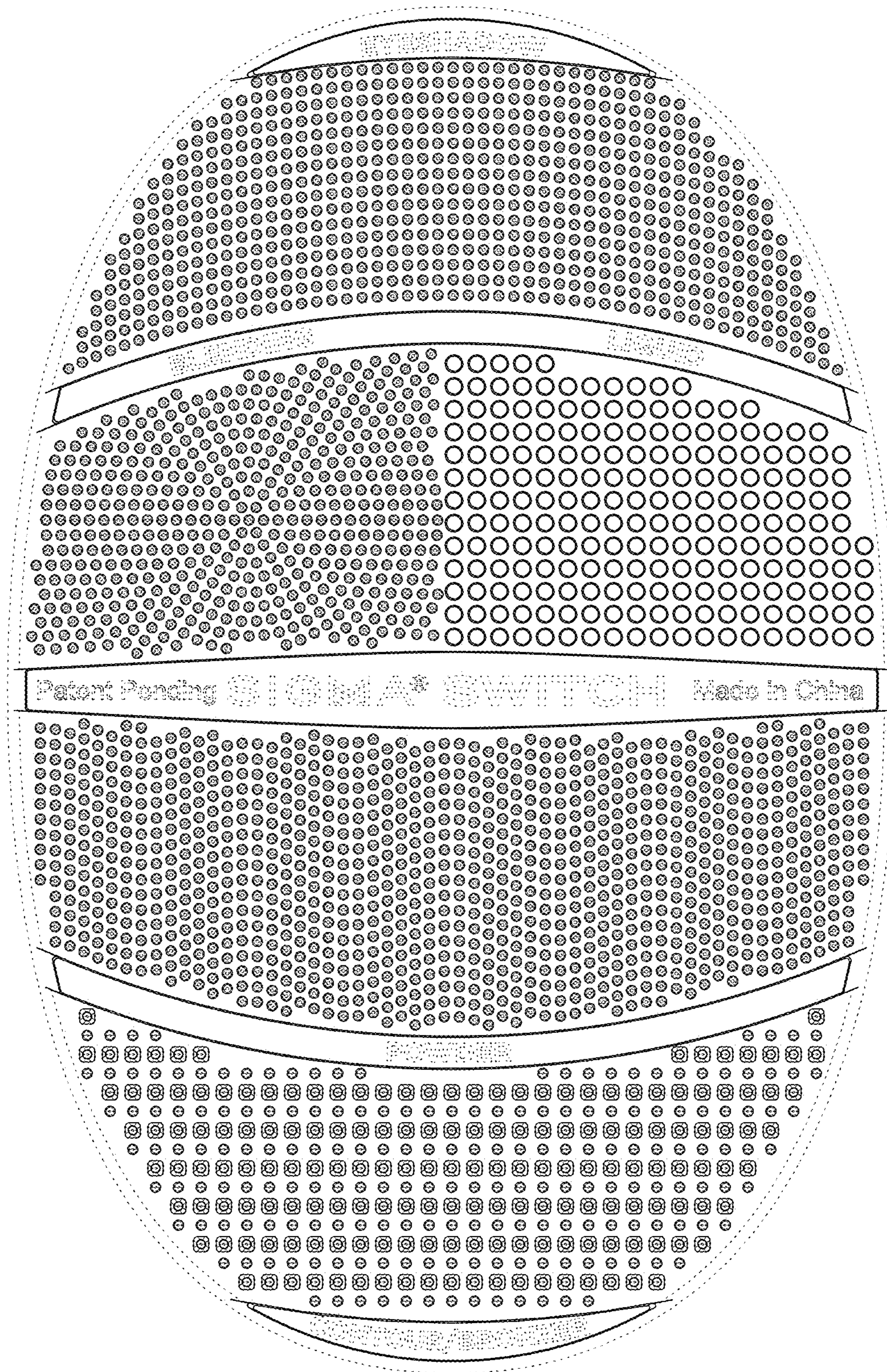


FIG. 3

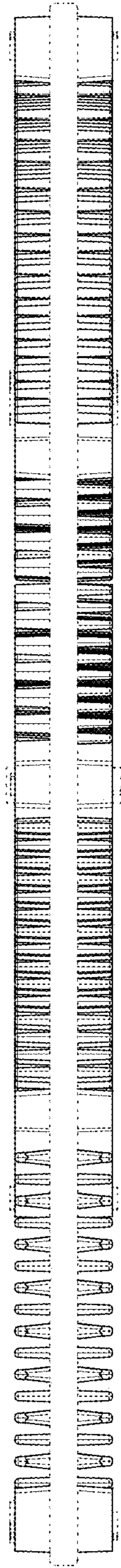


FIG. 4

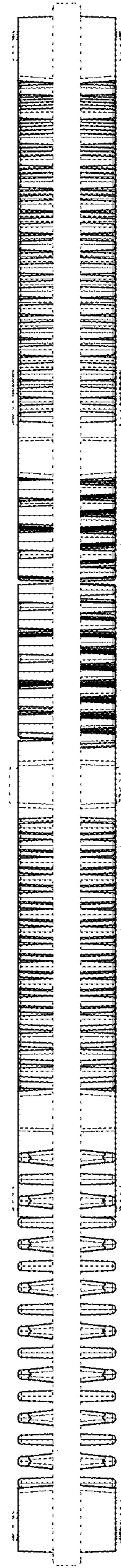


FIG. 5

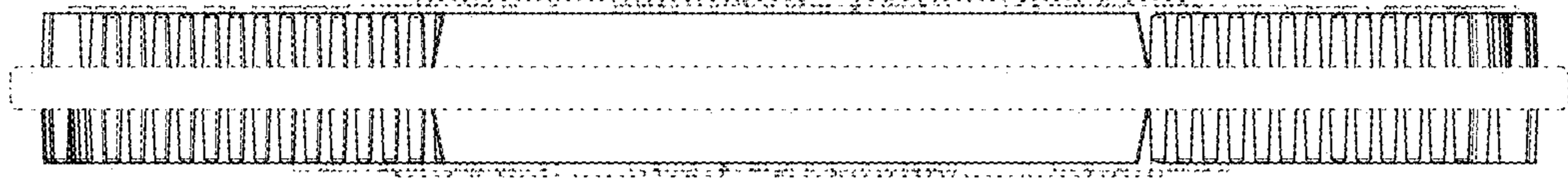


FIG. 6

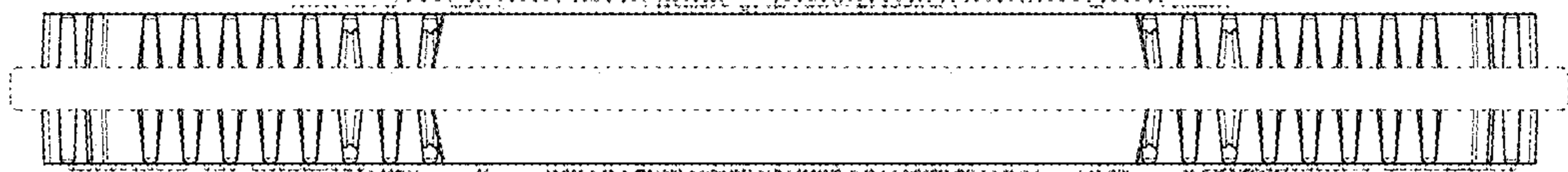


FIG. 7

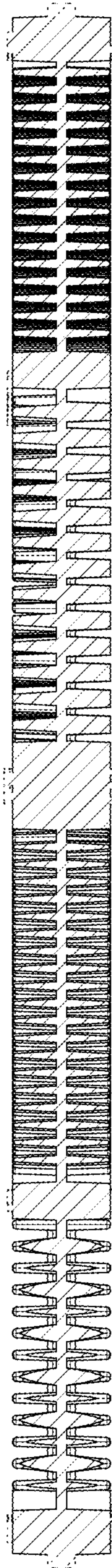


FIG. 8

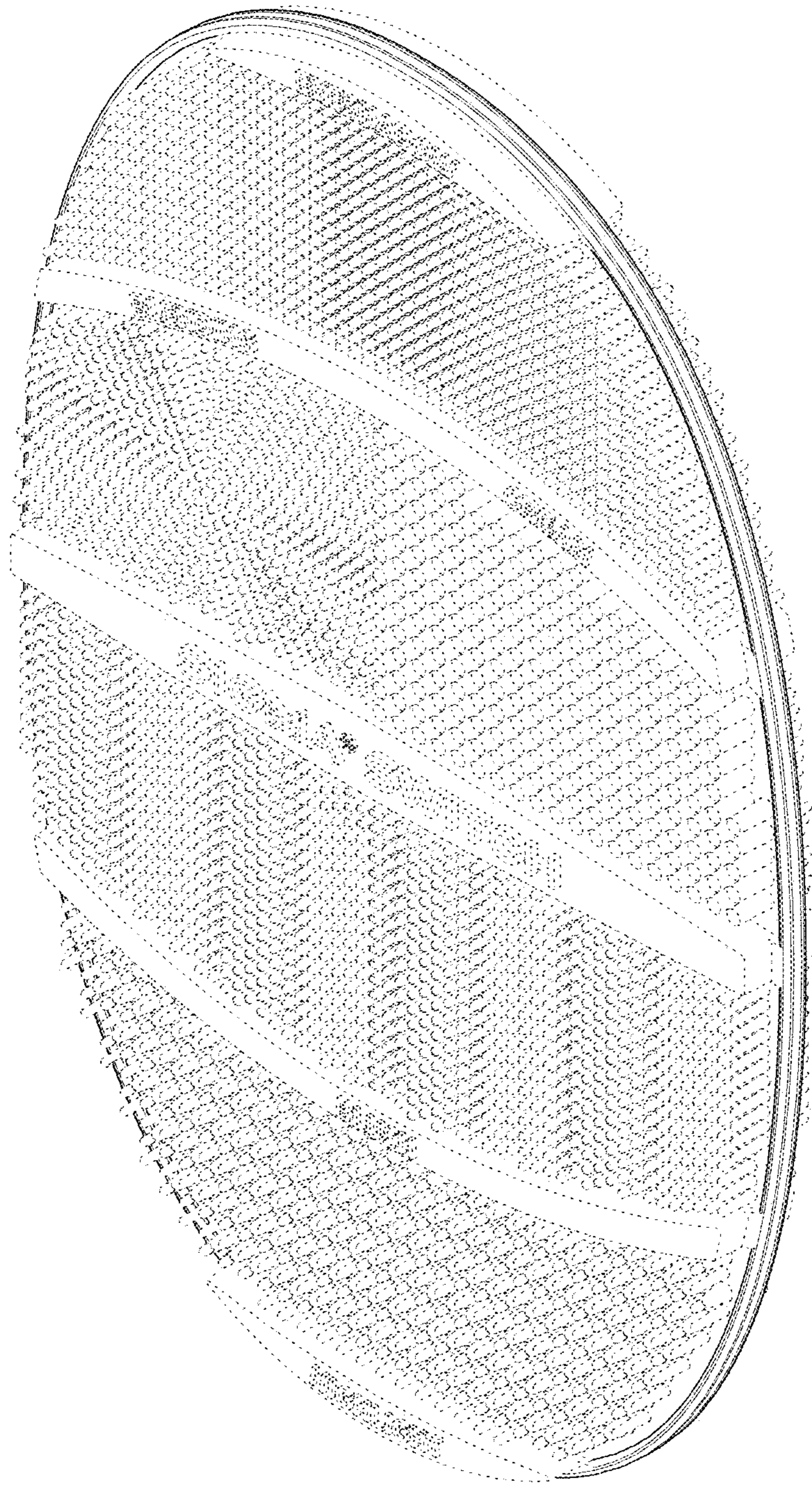
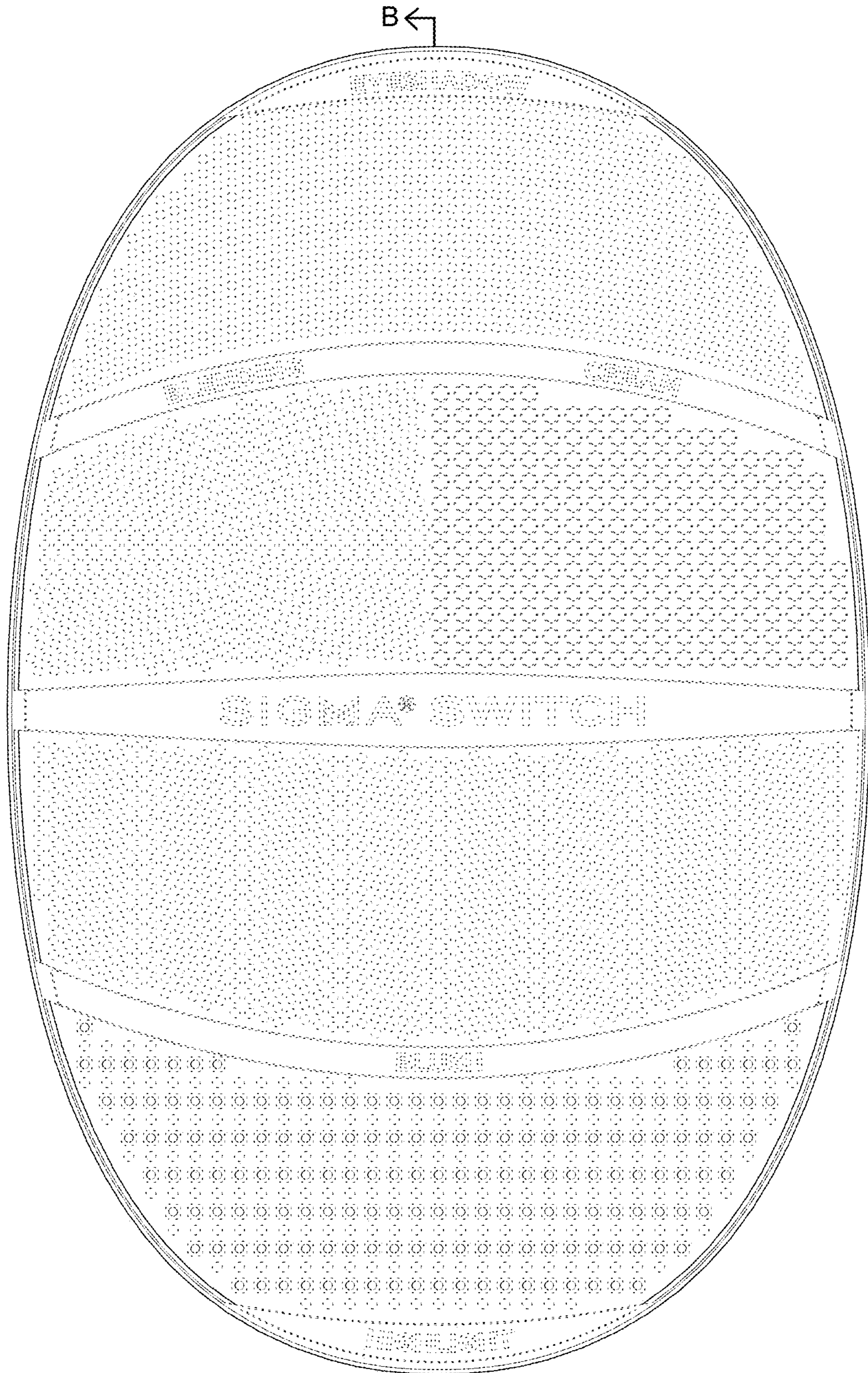


FIG. 9



B ←
FIG. 10

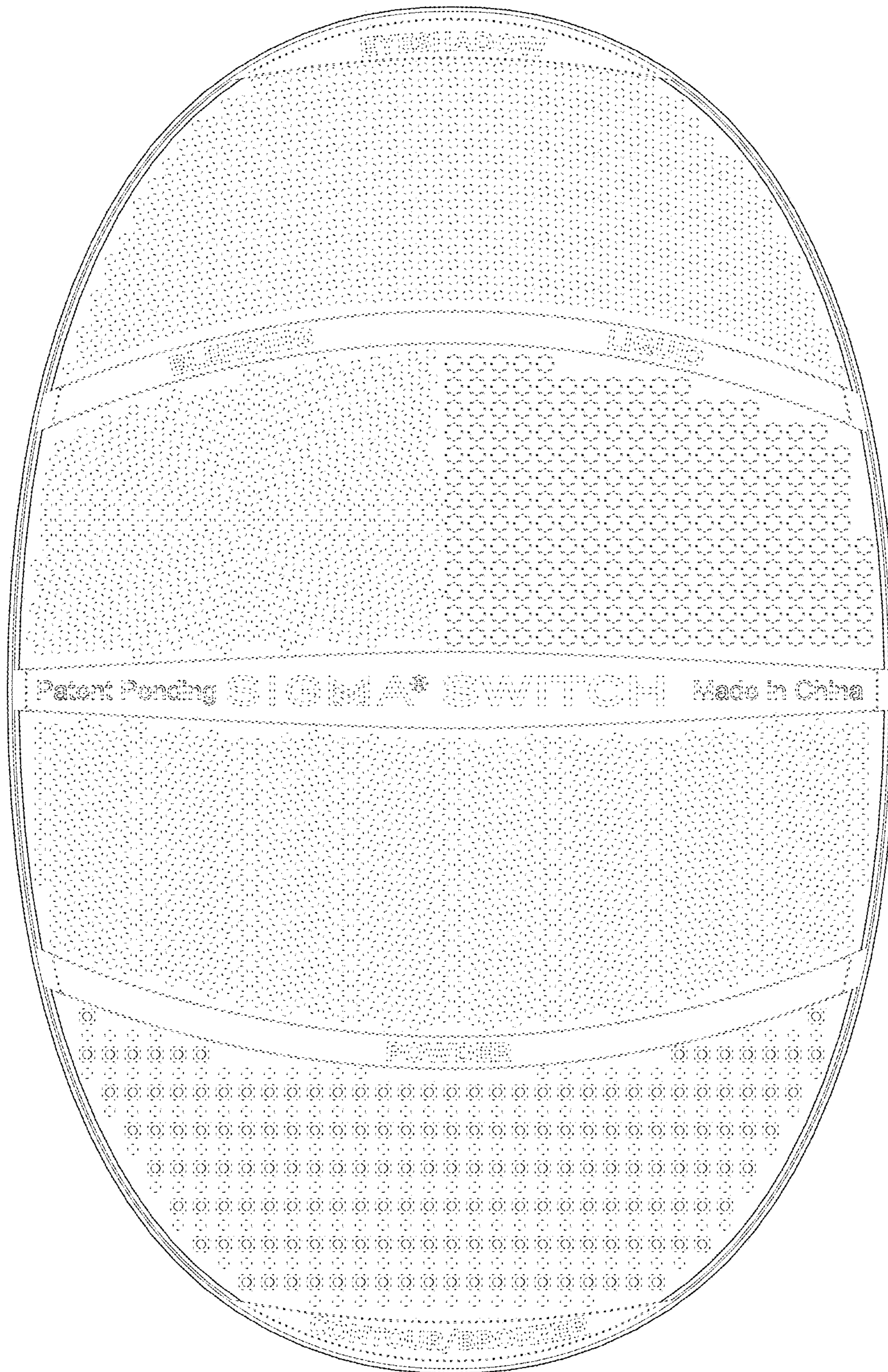


FIG. 11

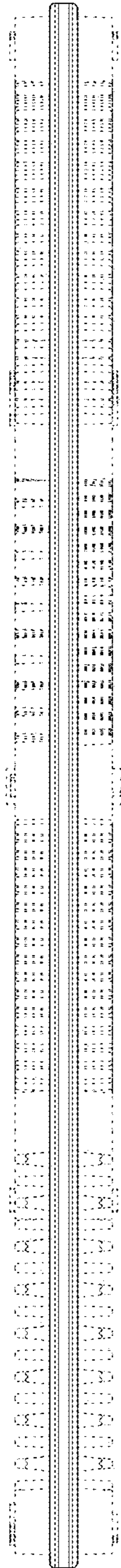


FIG. 12

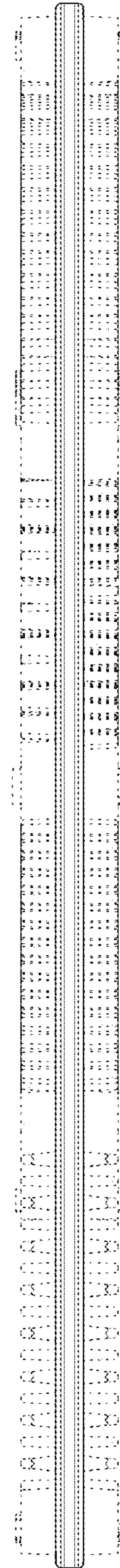


FIG. 13

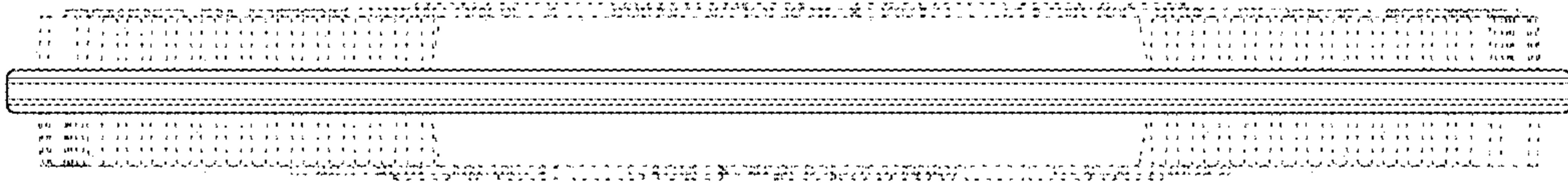


FIG. 14

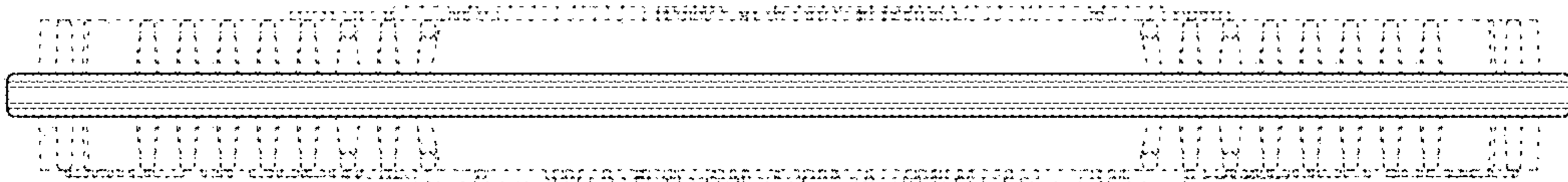


FIG. 15

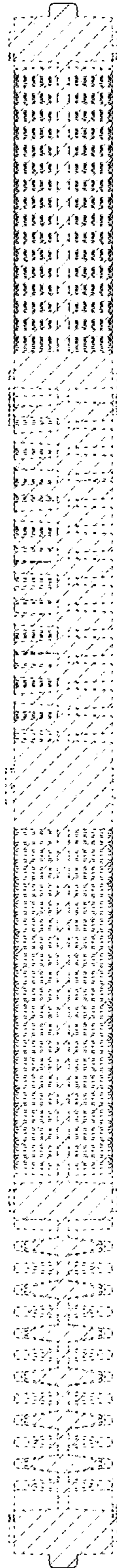


FIG. 16