



US00D941783S

(12) **United States Design Patent** (10) **Patent No.:** **US D941,783 S**  
**Altonen et al.** (45) **Date of Patent:** **\*\* Jan. 25, 2022**

(54) **KEYPAD**

(71) Applicant: **Lutron Technology Company LLC**,  
Coopersburg, PA (US)

(72) Inventors: **Gregory Altonen**, Easton, PA (US);  
**Jason C. Killo**, Emmaus, PA (US);  
**Matthew Philip McDonald**,  
Phoenixville, PA (US); **Sean Tucker**,  
Bethlehem, PA (US)

(73) Assignee: **Lutron Technology Company LLC**,  
Coopersburg, PA (US)

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

(21) Appl. No.: **29/653,545**

(22) Filed: **Jun. 15, 2018**

(51) **LOC (13) Cl.** ..... **13-03**

(52) **U.S. Cl.**  
USPC ..... **D13/162**

(58) **Field of Classification Search**  
USPC ..... D13/162, 164, 171, 177  
(Continued)

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

1,796,226 A \* 3/1931 Tombler ..... H02G 3/14  
16/DIG. 2  
2,215,260 A \* 9/1940 Woodward ..... H01H 9/161  
248/27.3  
3,185,803 A \* 5/1965 Driscoll ..... H01H 13/12  
200/296  
3,186,981 A \* 6/1965 De Ronde ..... H01H 9/286  
200/318

(Continued)

**OTHER PUBLICATIONS**

Varilight Catalogue 2016, XFSP1—push button switch; 1 pg;  
<https://www.varilight.co.uk/flipbook/index.php?page=1>\*

(Continued)

*Primary Examiner* — Selina Sikder

(74) *Attorney, Agent, or Firm* — Saidman DesignLaw  
Group, LLC

(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a front perspective view of a keypad showing our  
new design;

FIG. 2 is a front view thereof;

FIG. 3 is a left side view thereof;

FIG. 4 is a right side view thereof;

FIG. 5 is a top view thereof;

FIG. 6 is a bottom view thereof;

FIG. 7 is an enlarged view of a button of FIG. 1;

FIG. 8 is an enlarged view of a button of FIG. 2;

FIG. 9 is an enlarged view of a button of FIG. 4;

FIG. 10 is an enlarged partial view of the faceplate of FIG.  
1;

FIG. 11 is an enlarged partial view of the faceplate of FIG.  
2;

FIG. 12 is an enlarged partial view of the faceplate of FIG.  
4;

FIG. 13 is an enlarged partial view of the faceplate of FIG.  
6;

FIG. 14 is a front perspective view of a second embodiment  
thereof;

FIG. 15 is a front view thereof;

FIG. 16 is a left side view thereof;

FIG. 17 is a right side view thereof;

FIG. 18 is a top view thereof;

FIG. 19 is a bottom view thereof;

FIG. 20 is an enlarged view of a button of FIG. 14; and,

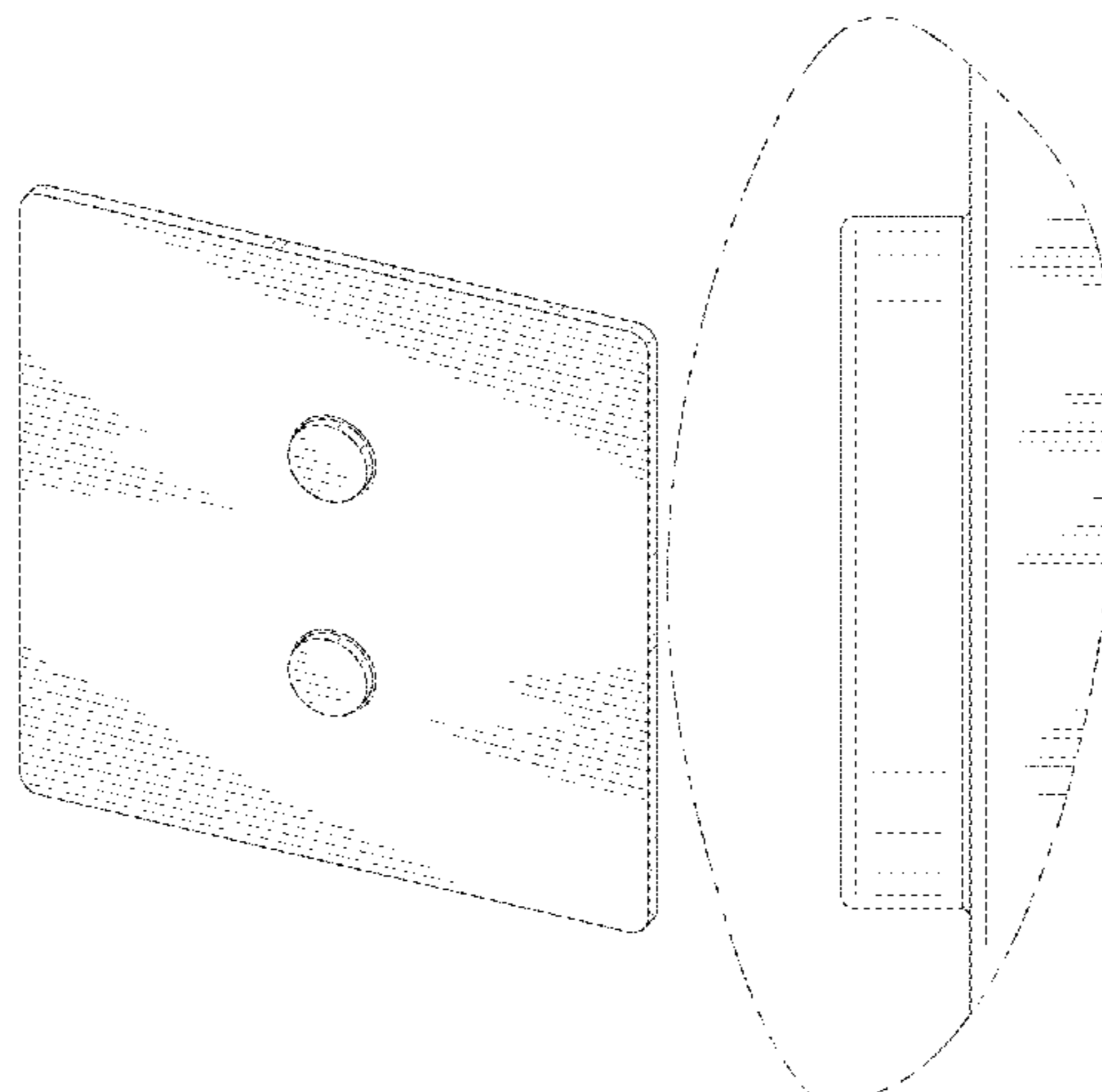
FIG. 21 is an enlarged view of a button of FIG. 15.

The uniform dashed broken lines illustrate structure or  
features which form no part of the claimed design.

CAD lines in the drawings illustrate contour and not surface  
ornamentation.

In FIGS. 7-13 and FIGS. 20-21, the broken lines identify  
enlargements.

(Continued)



In FIGS. 14-21, grayscale shading illustrates contrast in appearance. In FIGS. 14-21, the dark shading illustrates the appearance of a matte surface. In FIGS. 14-21, the light shading illustrates the appearance of a reflective/shiny surface. In FIGS. 14-21, the unshaded portions are claimed without regard to surface finish.

**1 Claim, 17 Drawing Sheets**

(58) **Field of Classification Search**

CPC ..... H01H 3/12; H01H 9/02; H01H 9/16;  
H01H 9/18; H01H 9/181; H01H 9/182;  
H01H 13/04; H01H 13/14; H01H  
2009/187; H05B 37/02; H05B 37/0254;  
H05B 37/0272; H05B 39/02; H05B  
39/04; H05B 39/085; H05B 39/086;  
H05B 39/088

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D360,235 S *	7/1995	Emrys-Roberts .....	D14/401
5,834,695 A	11/1998	Herbert	
D433,954 S *	11/2000	Delsart .....	D10/108
D453,742 S *	2/2002	Butler .....	D13/164
D510,074 S *	9/2005	Larson .....	D13/164
D547,273 S *	7/2007	Miarta .....	D13/164
D573,956 S *	7/2008	Hollner .....	D13/164
D595,240 S *	6/2009	Busbridge .....	D13/164
D621,795 S *	8/2010	Tsui .....	D13/171
D635,102 S *	3/2011	Tsui .....	D13/171
D652,087 S *	1/2012	Dawes .....	D21/489
D663,700 S *	7/2012	Deal .....	D13/162
8,786,196 B2	7/2014	Biery et al.	
D777,688 S *	1/2017	Seidl .....	D13/171
2010/0059351 A1 *	3/2010	Wu .....	A47B 13/12 200/341
2010/0270138 A1 *	10/2010	Yamanaka .....	H01H 13/7057 200/341
2019/0230762 A1	7/2019	McDonald et al.	
2019/0252137 A1	8/2019	McDonald et al.	

OTHER PUBLICATIONS

TOPSHALL Push Button Panel; 2017; 1 pg.; <http://www.topshall-switch.com/panel-with-metal-switch-sets/2017-waterproof-international-illuminated.html>.\*

Luxonov2019 Catalog; PNV001-CF push button lightswitch, 1 pg. <https://www.archiexpo.com/prod/luxonov/product-68488-1841755.html>.\*

Knightsbridge Catalog—2 way dimmer switch; 2015; 1 pg.; [www.mlaccessories.co.uk](http://www.mlaccessories.co.uk).\*

Varilight 1 Gang pushbutton switch, Mar. 30, 2016; 2 pgs.; [https://www.amazon.co.uk/Varilight-1-Gang-Momentary-Switch-Brushed/dp/B01DME6BR6/ref=psdc\\_1938304031\\_t2\\_B01DNVXEM8](https://www.amazon.co.uk/Varilight-1-Gang-Momentary-Switch-Brushed/dp/B01DME6BR6/ref=psdc_1938304031_t2_B01DNVXEM8).\*

Varilight 2 Gang pushbutton switch, Mar. 31, 2016; 2 pgs.; [https://www.amazon.co.uk/Varilight-2-Gang-Momentary-Switch-Brushed/dp/B01DNVXEM8/ref=pd\\_rhf\\_dp\\_p\\_img\\_1?encoding=UTF8&psc=1&refRID%E2%80%A6](https://www.amazon.co.uk/Varilight-2-Gang-Momentary-Switch-Brushed/dp/B01DNVXEM8/ref=pd_rhf_dp_p_img_1?encoding=UTF8&psc=1&refRID%E2%80%A6).\*

Clipsal 4061PBLHB; Mar. 31, 2014; 1 pg; <https://www.bing.com/videos/search?q=saturn+horizon+switch&&view=detail&mid=29784129A37E9021BA0629784129A37E9021BA06&&FORM=VRDGAR&ru=%2Fvideos%2Fsearch%3Fq%3Dsatur%2Bhorizon%2Bswitch%26%26FORM%3DVEDVXX>.

Clipsal 4063PB Push Button Switch; before 2017; 1 pg.

Topshall Illuminated Wall Mount Push Switch; before 2017; 1 pg; [https://www.google.com/search?hi=en&biw=1536&bih=813&tbm=isch&sa=1&ei=Op-fXbiw5qSCB9e7oIAO&q=push+button+dimmer+switch+before+2017&oq=push+button+dimmer+switch+before+2017&gs\\_l=img.3...3379.7032..8742...0.0..0.67.630.12.....0...1..gws-wiz-img](https://www.google.com/search?hi=en&biw=1536&bih=813&tbm=isch&sa=1&ei=Op-fXbiw5qSCB9e7oIAO&q=push+button+dimmer+switch+before+2017&oq=push+button+dimmer+switch+before+2017&gs_l=img.3...3379.7032..8742...0.0..0.67.630.12.....0...1..gws-wiz-img).

RetroTouch 4 Gang 2 way Dimmer CT 02100; <https://www.lightswitchesandplugsockets.co.uk/retrotouch-4-gang-2-way-dimmer-switch-3-200w-led-halogen-white-glass-ct-02100-4720-p.asp>.

Varilight-Catalogue; <https://www.varilight.co.uk/varilight-catalogue.pdf>.

<http://legrand.com.vn/mallia/downloads/mallia.pdf>, 2010, 30 pages.

Knightsbridge Catalogue, Lighting and Wiring Accessories, 2015, p. 8, 36; [https://issuu.com/mlaccessorieslimited/docs/2015\\_mla\\_catalogue](https://issuu.com/mlaccessorieslimited/docs/2015_mla_catalogue).

Lutron Electronics Co., Inc., “Lutron Keypads”, brochure, available from internet, <<http://www.lutron.com/europe/>>, Jan. 2018.

Legrand®, Mallia™ Catalogue, “Look Touch Love Woo,” Apr. 2010 (26 pages).

Arnould, Art d’Arnould Brochure (English version), Apr. 2011 (52 pages).

Meljac, Catalogue 2014 (108 pages).

Forbes & Lomax, Catalogue, available at least as early as Sep. 9, 2017 (15 pages).

U.S. Appl. No. 29/616,874, filed Sep. 9, 2017 (unpublished).

U.S. Appl. No. 29/625,371, filed Nov. 9, 2017 (unpublished).

U.S. Appl. No. 29/634,277, filed Jan. 19, 2018 (unpublished).

U.S. Appl. No. 29/634,284, filed Jan. 19, 2018 (unpublished).

\* cited by examiner

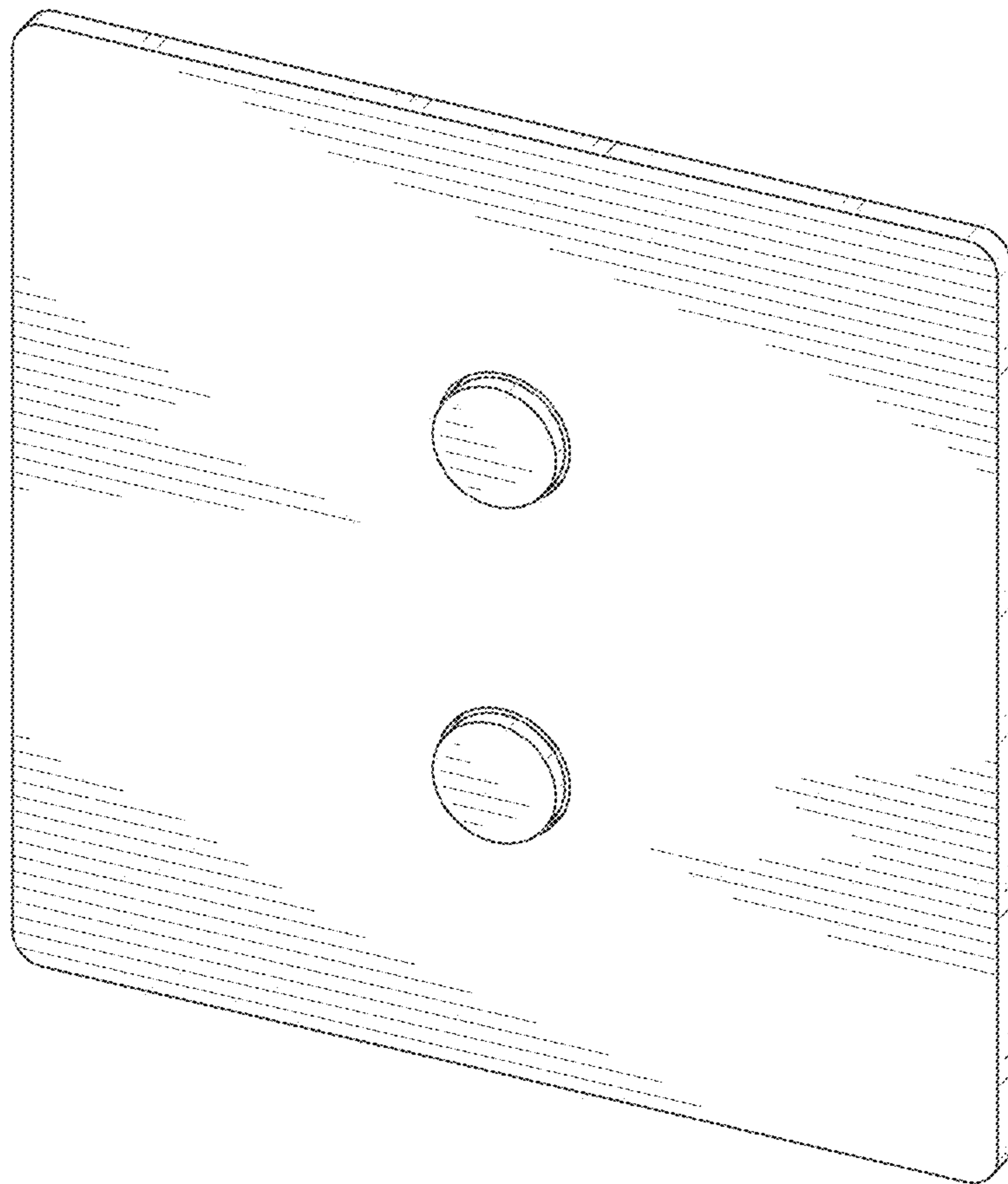


FIG. 1

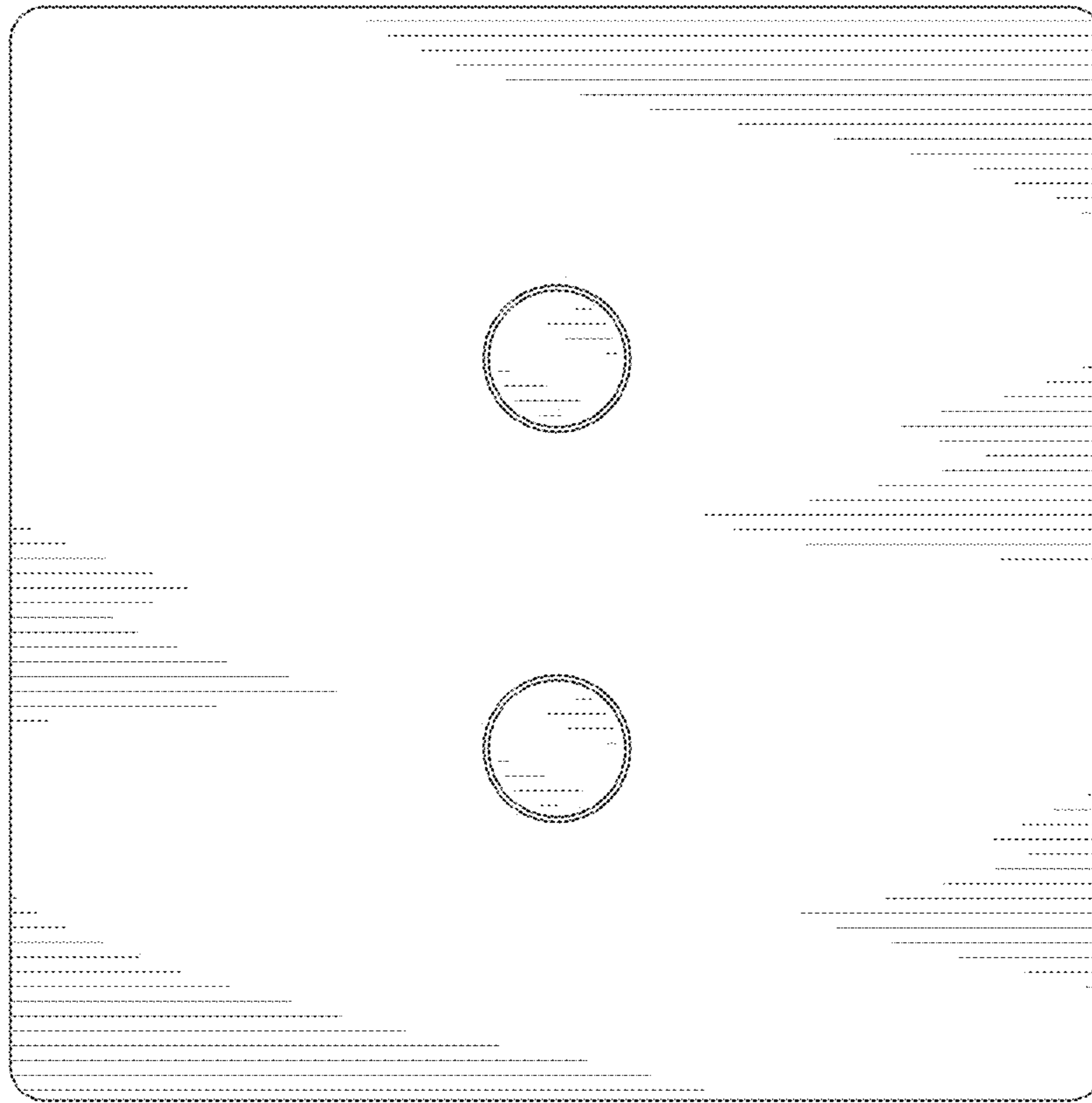


FIG. 2

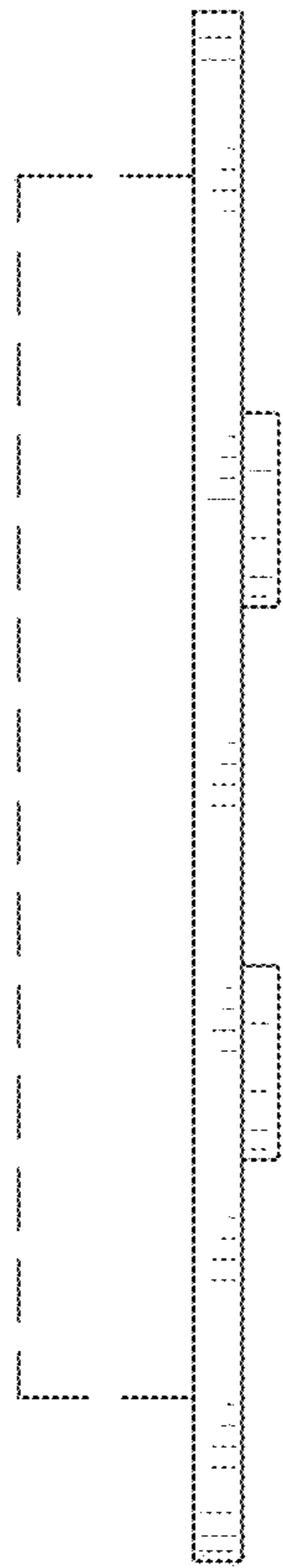


FIG. 3

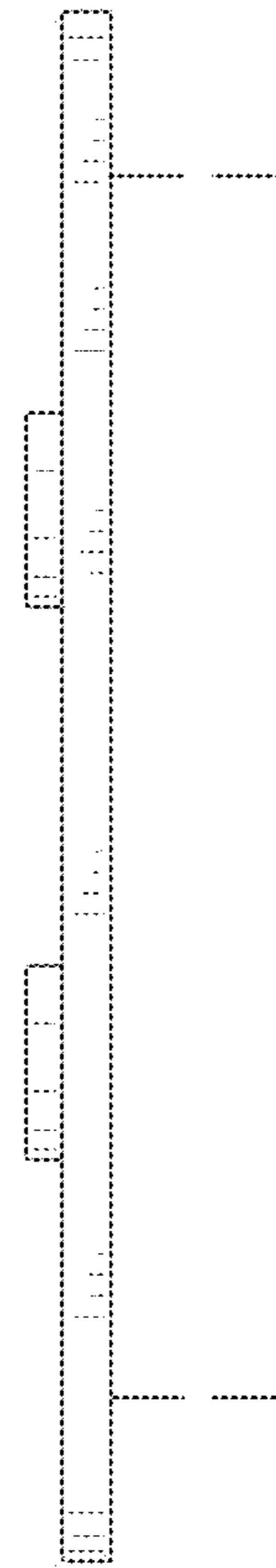


FIG. 4

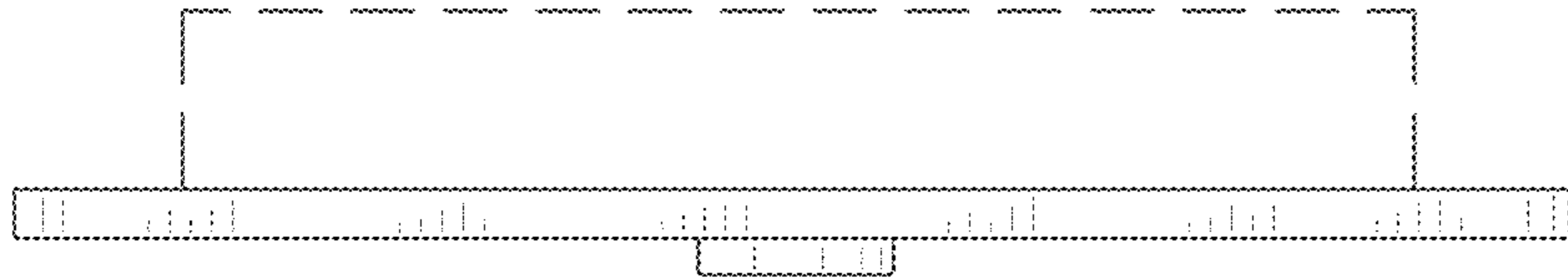


FIG. 5

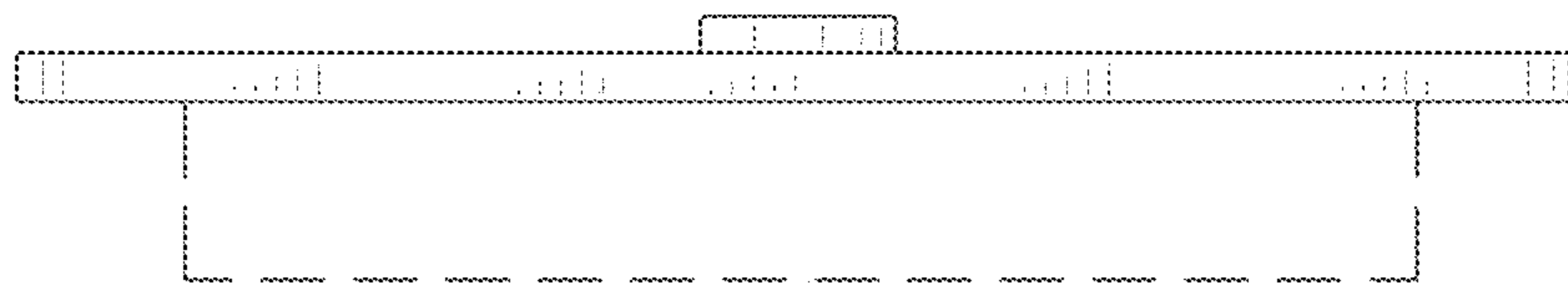


FIG. 6

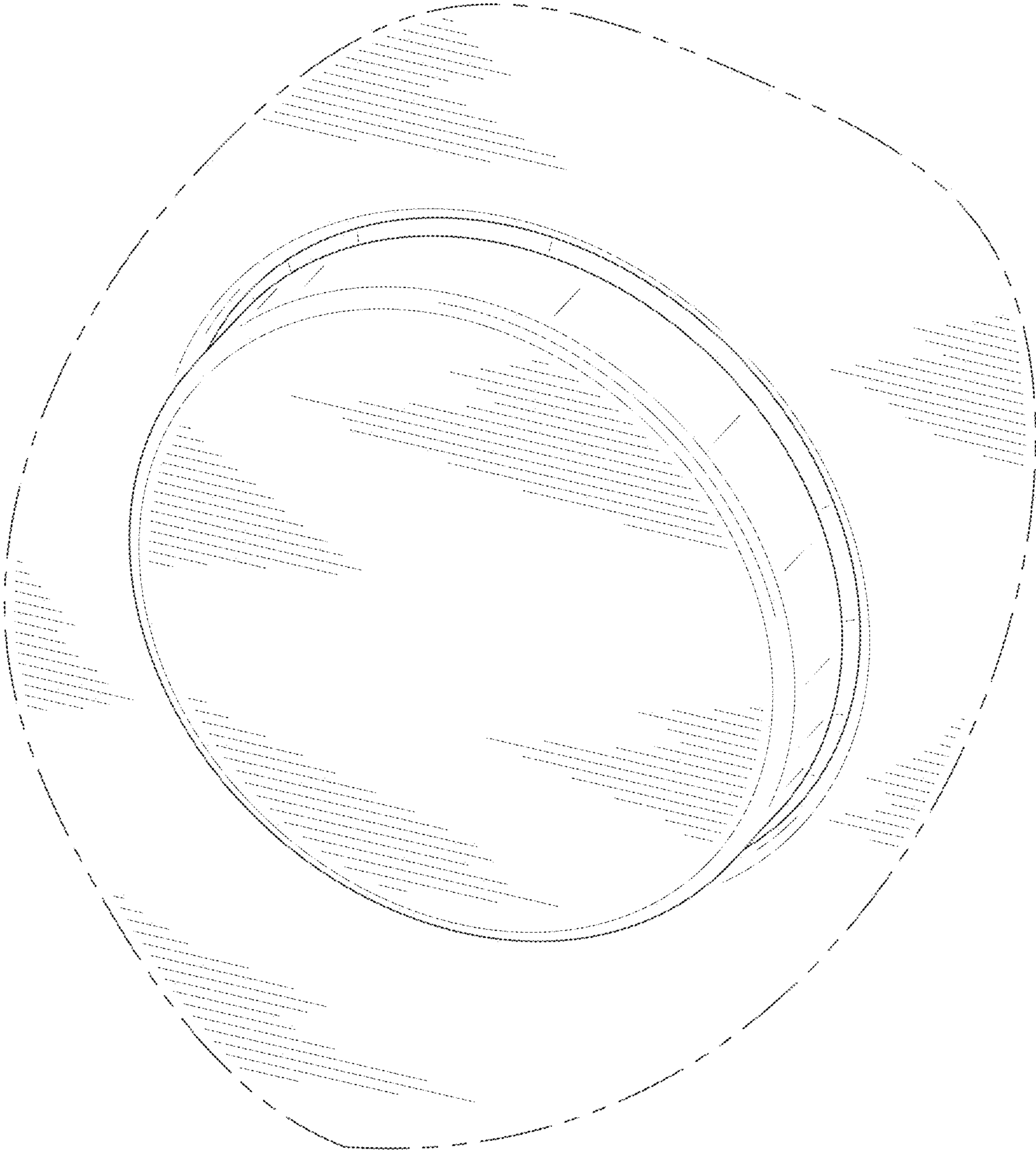


FIG. 7

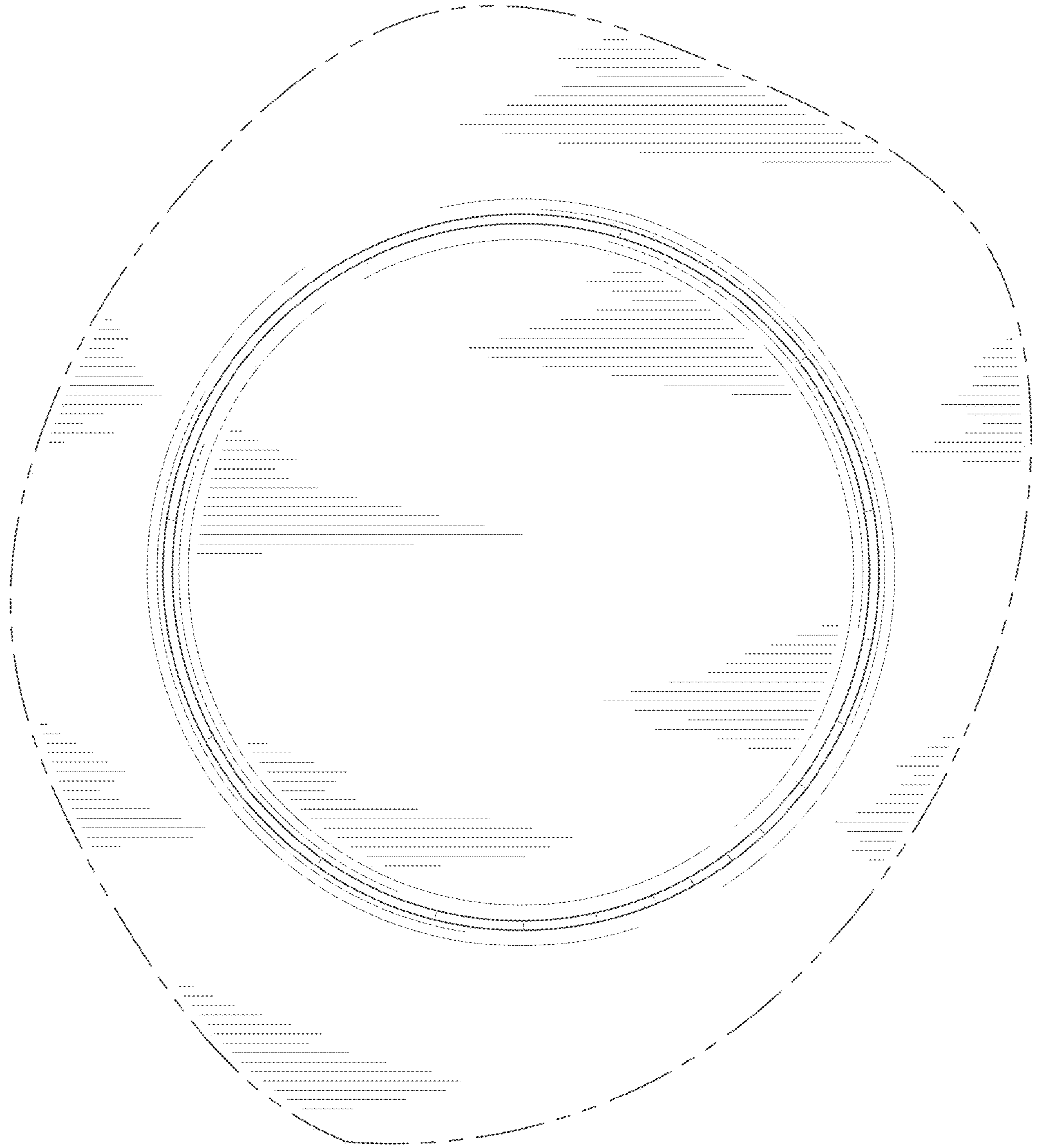


FIG. 8



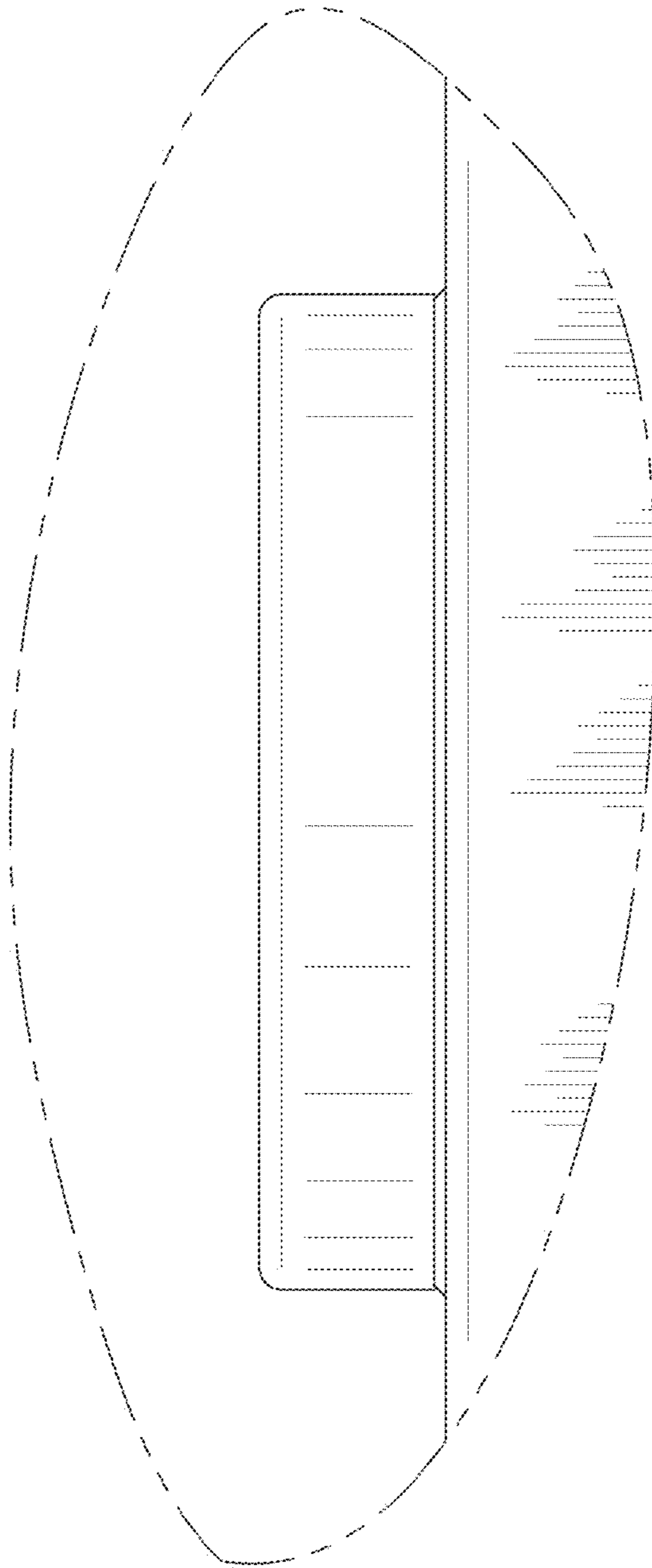


FIG. 9

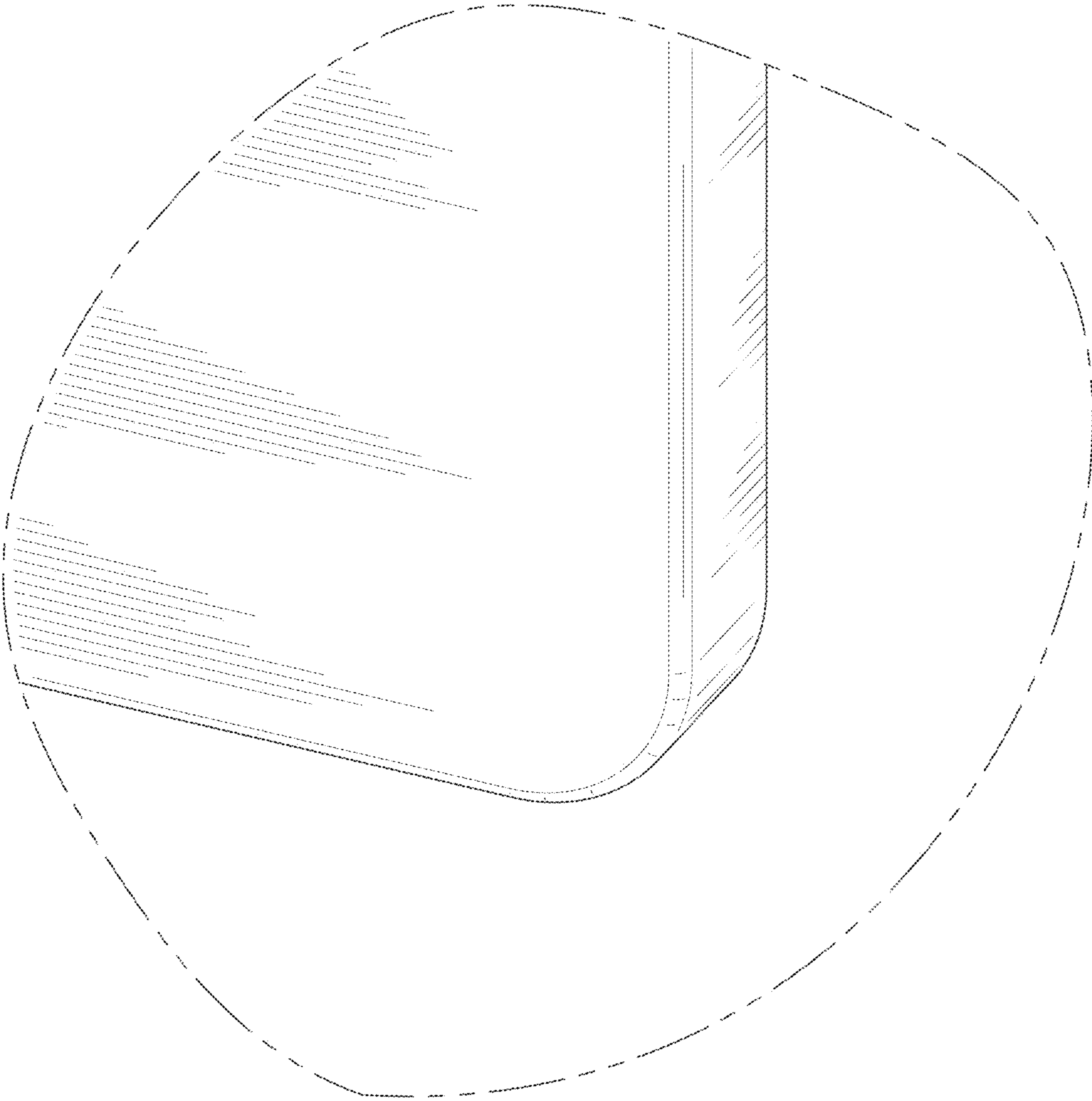


FIG. 10

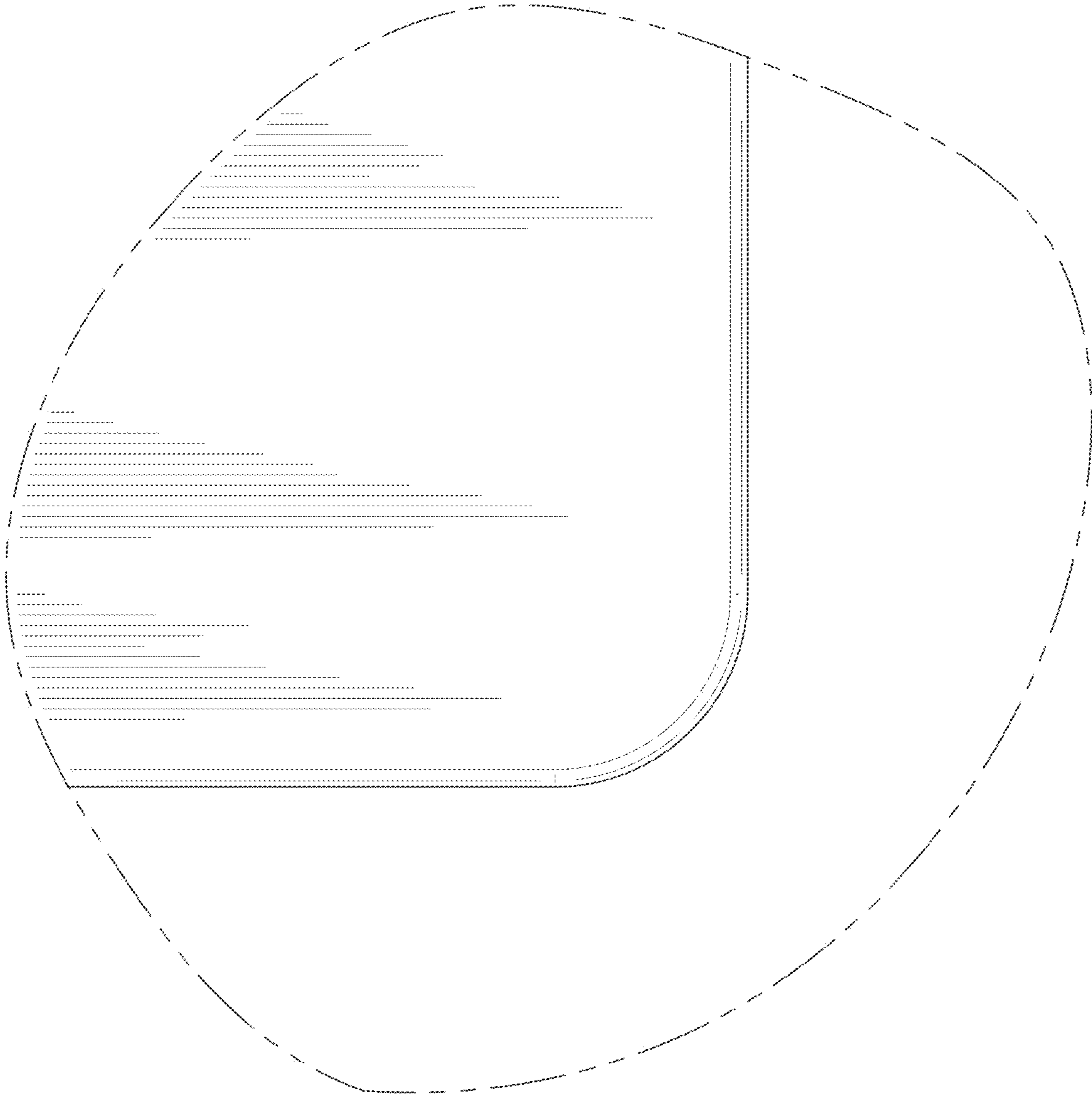


FIG. 11

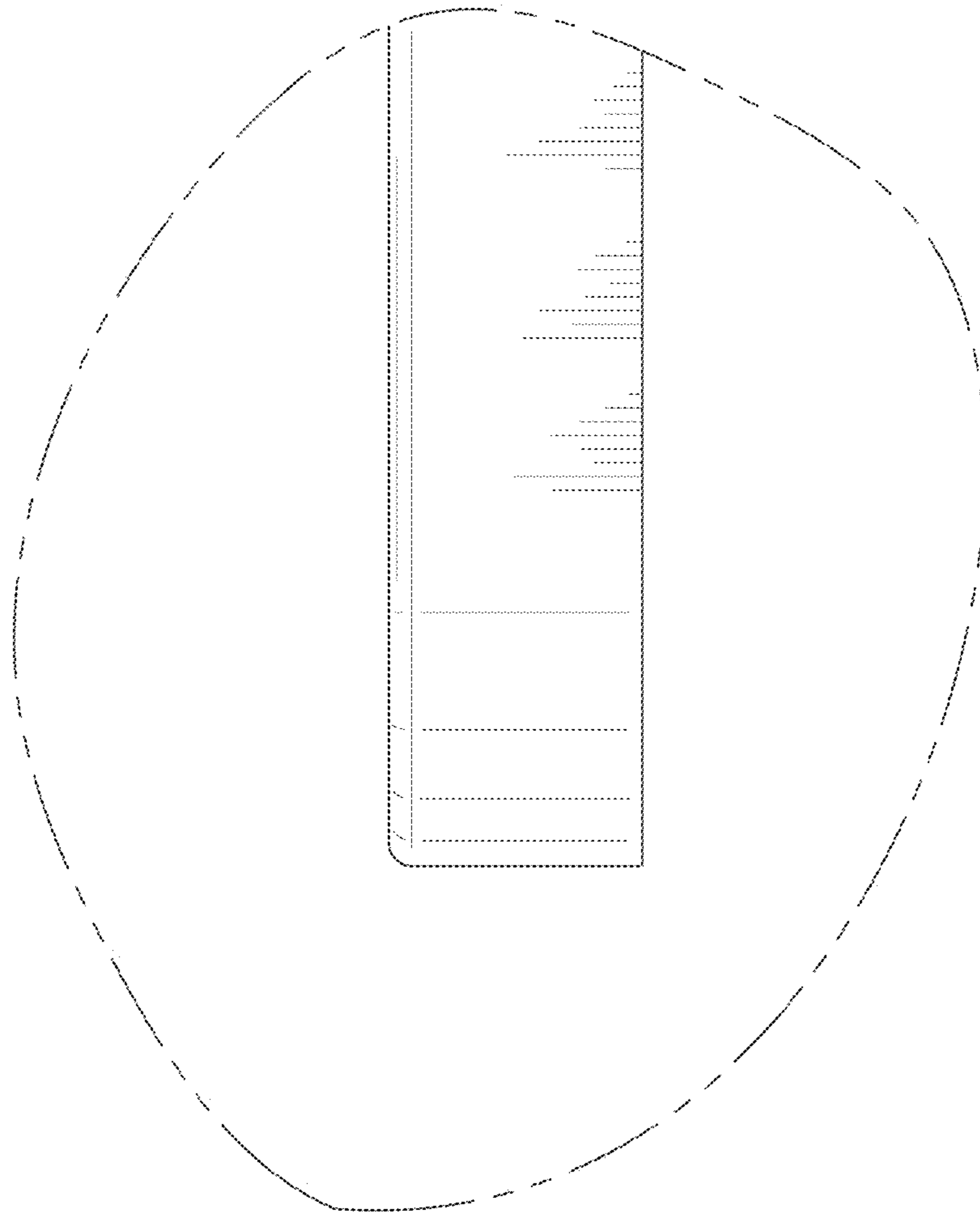


FIG. 12

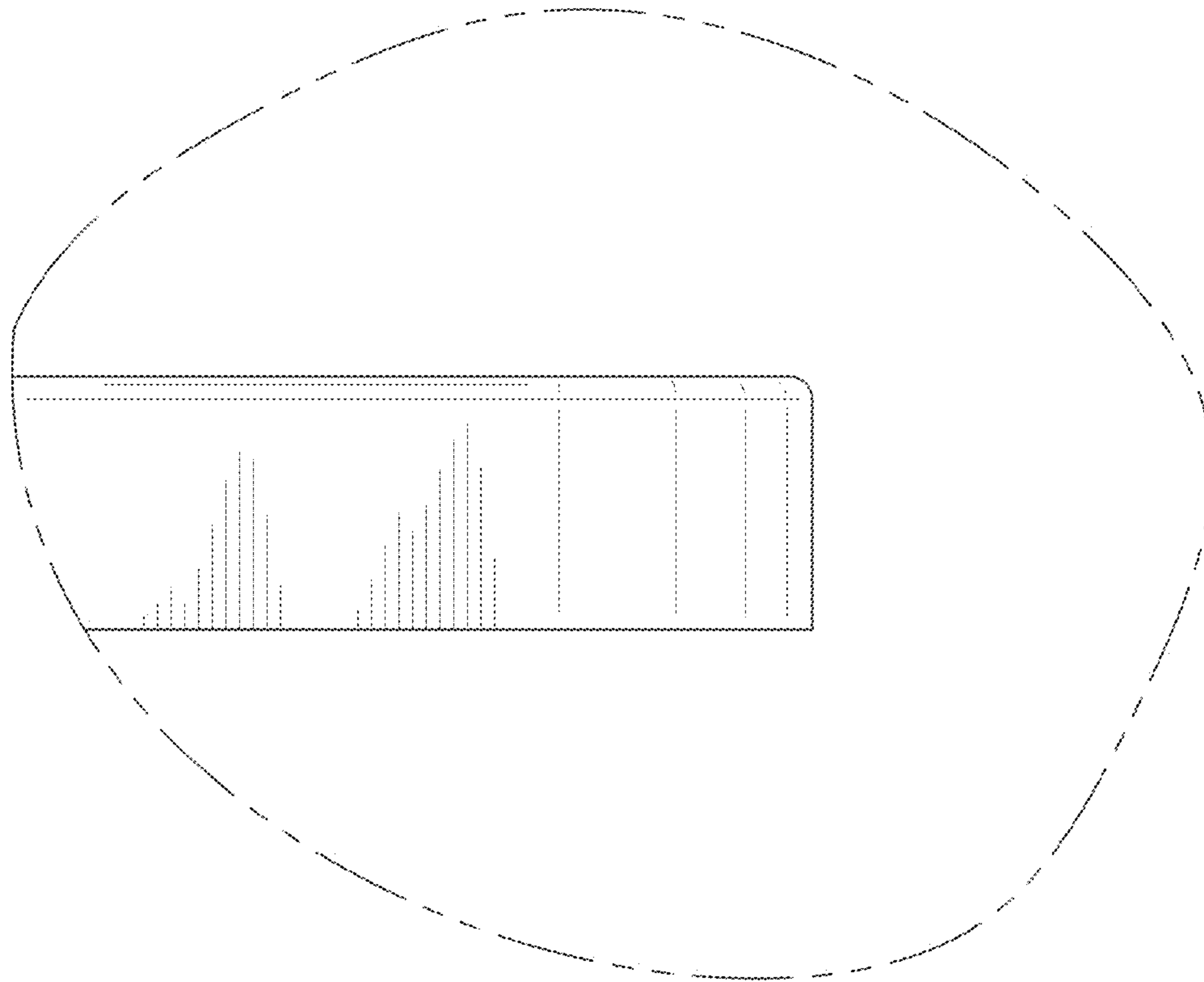


FIG. 13

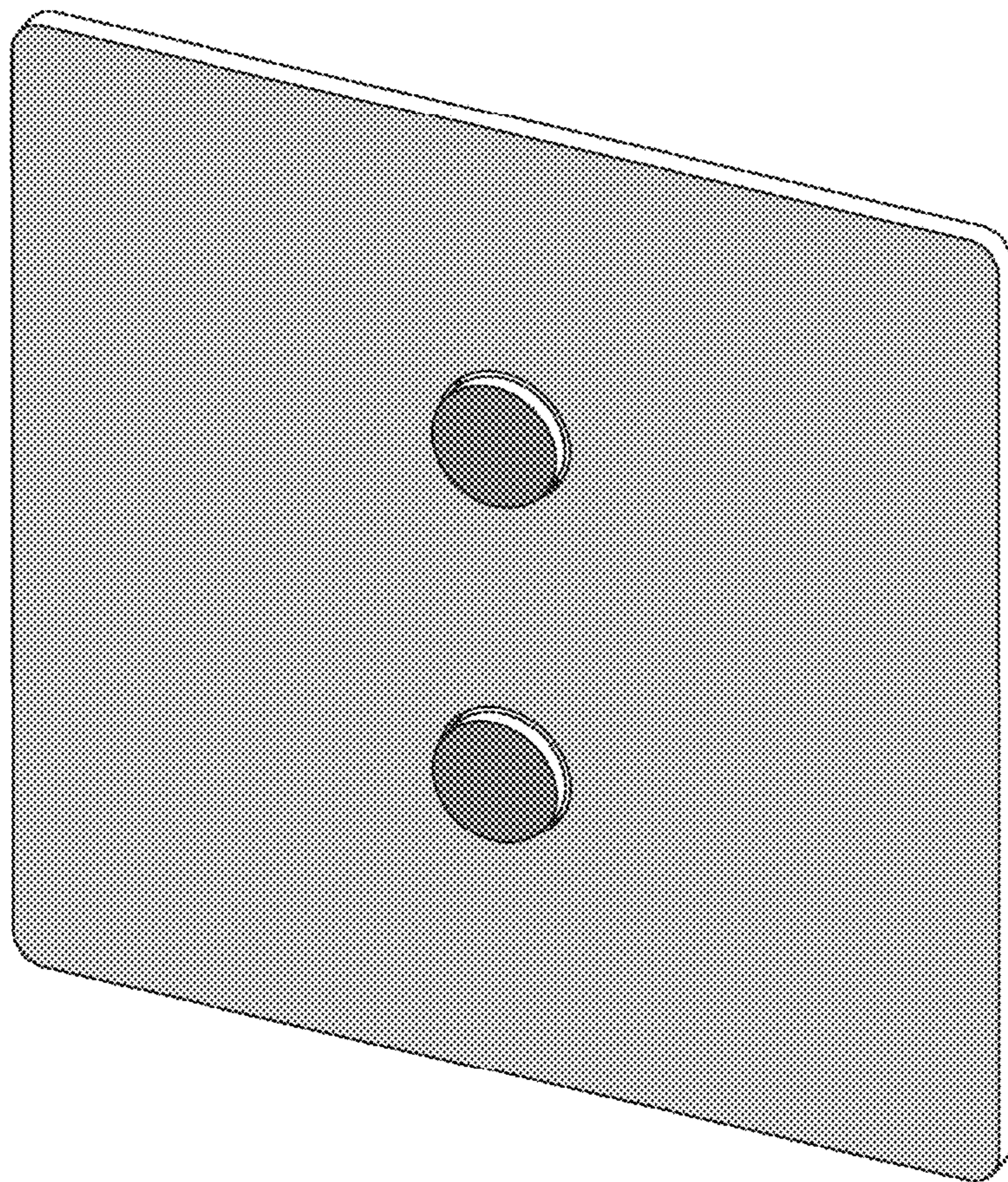


FIG. 14

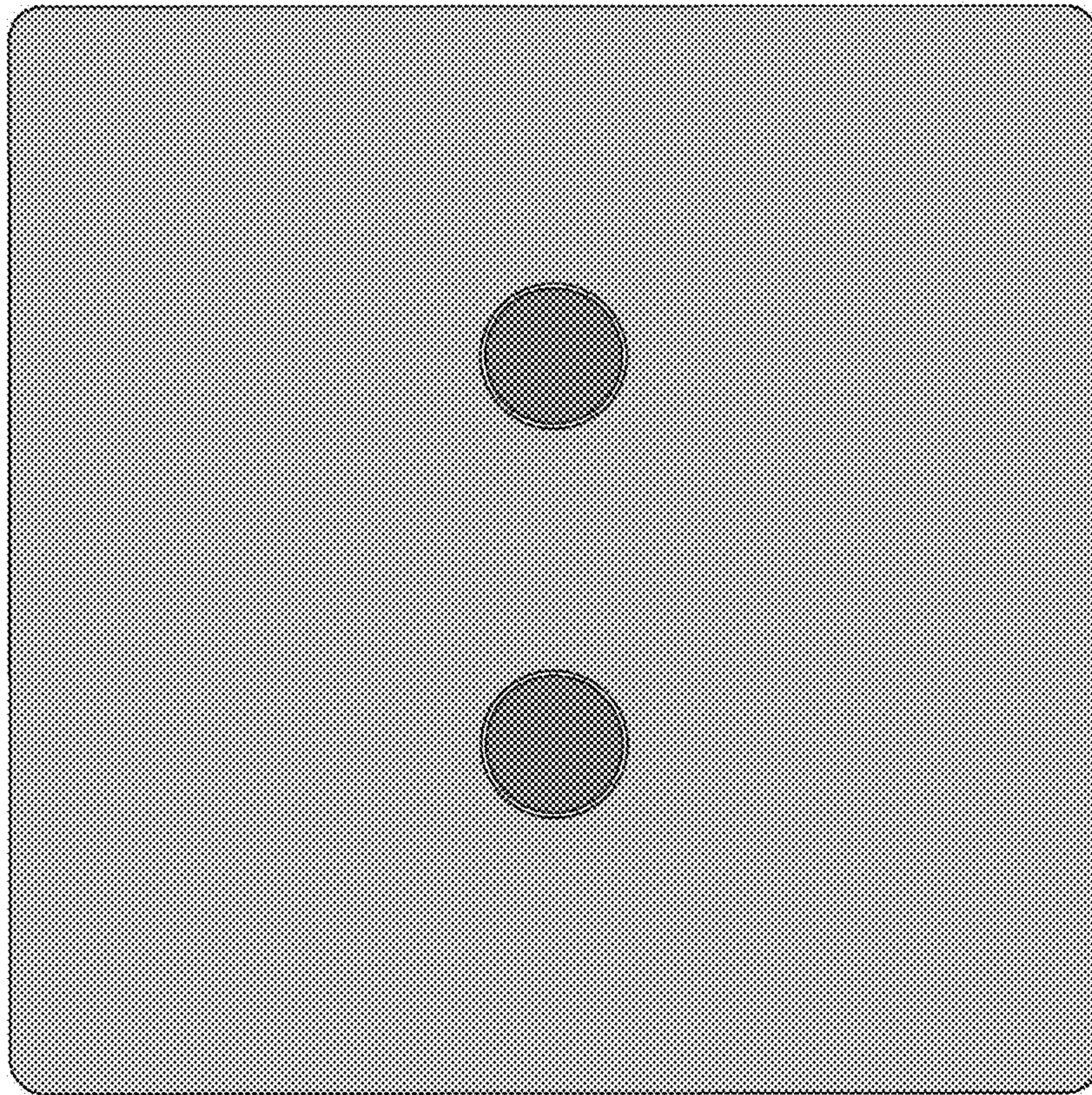


FIG. 15

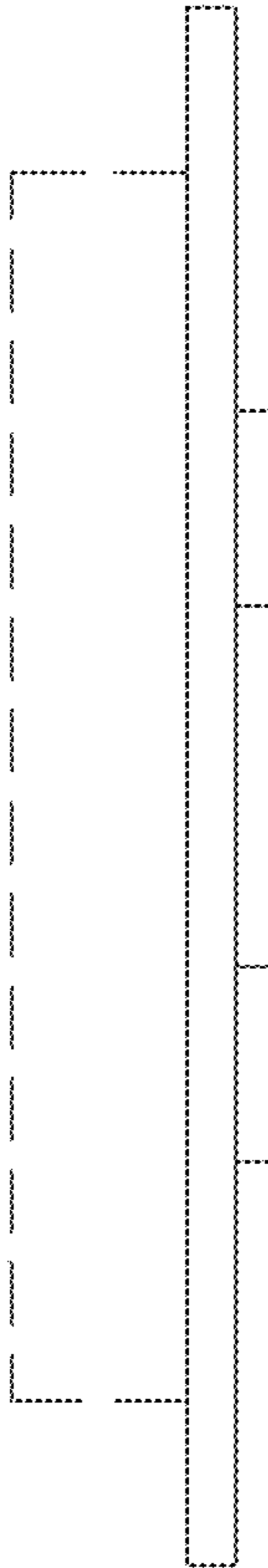


FIG. 16

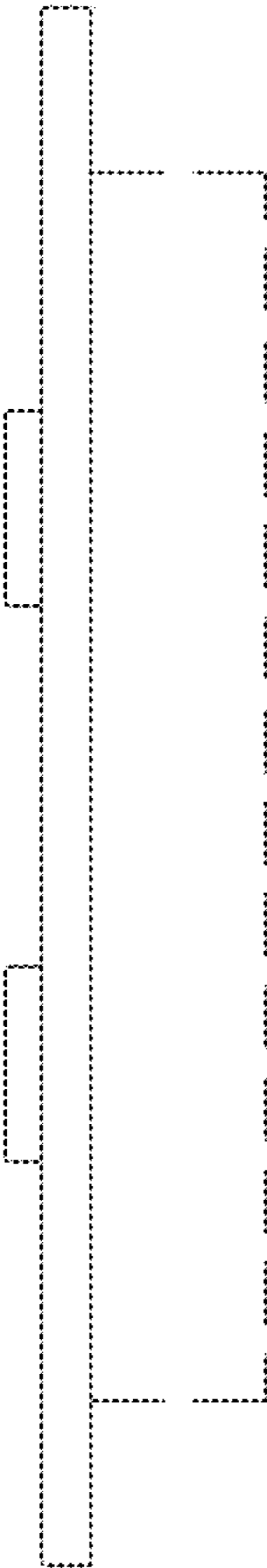


FIG. 17



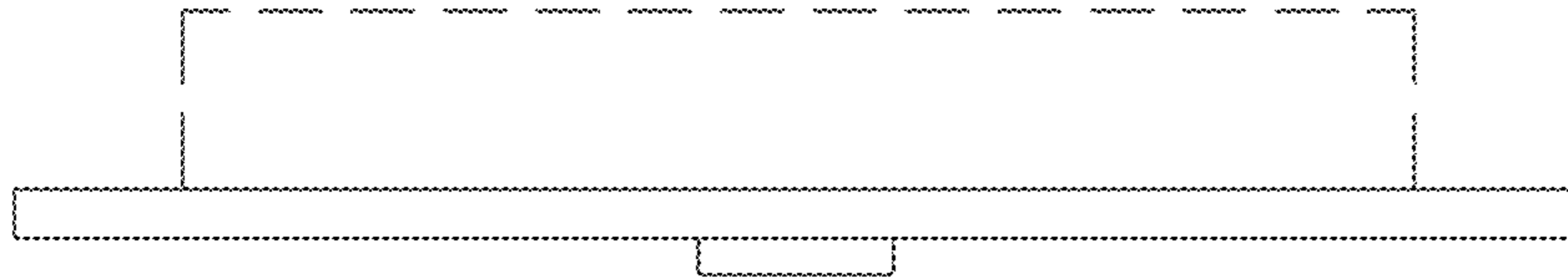


FIG. 18

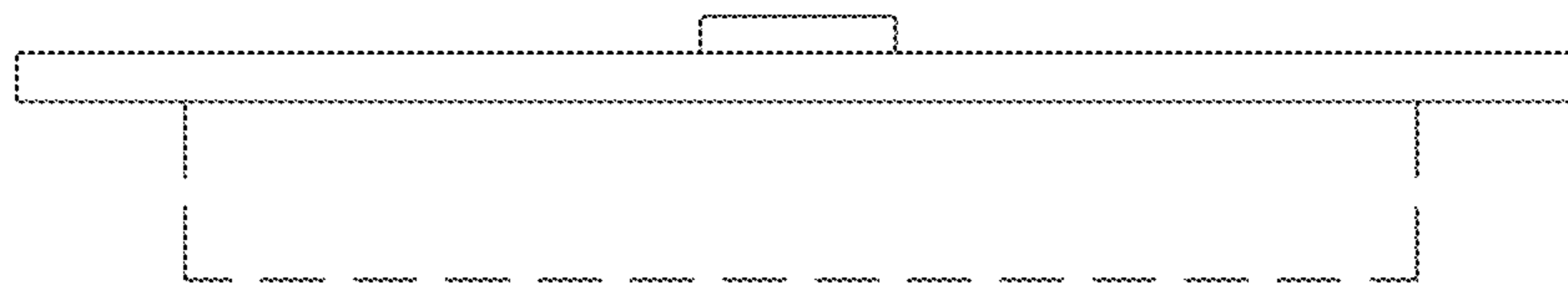


FIG. 19

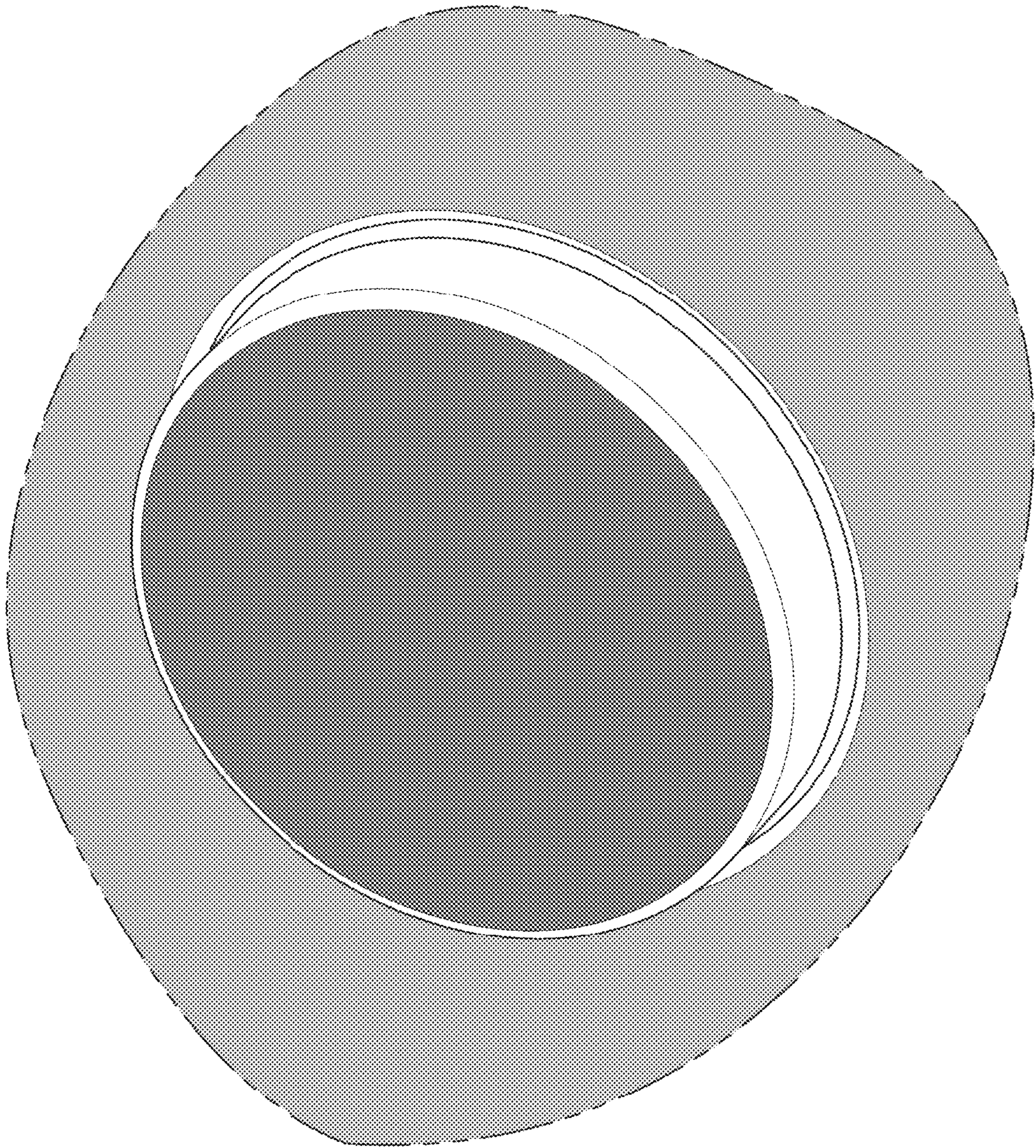


FIG. 20

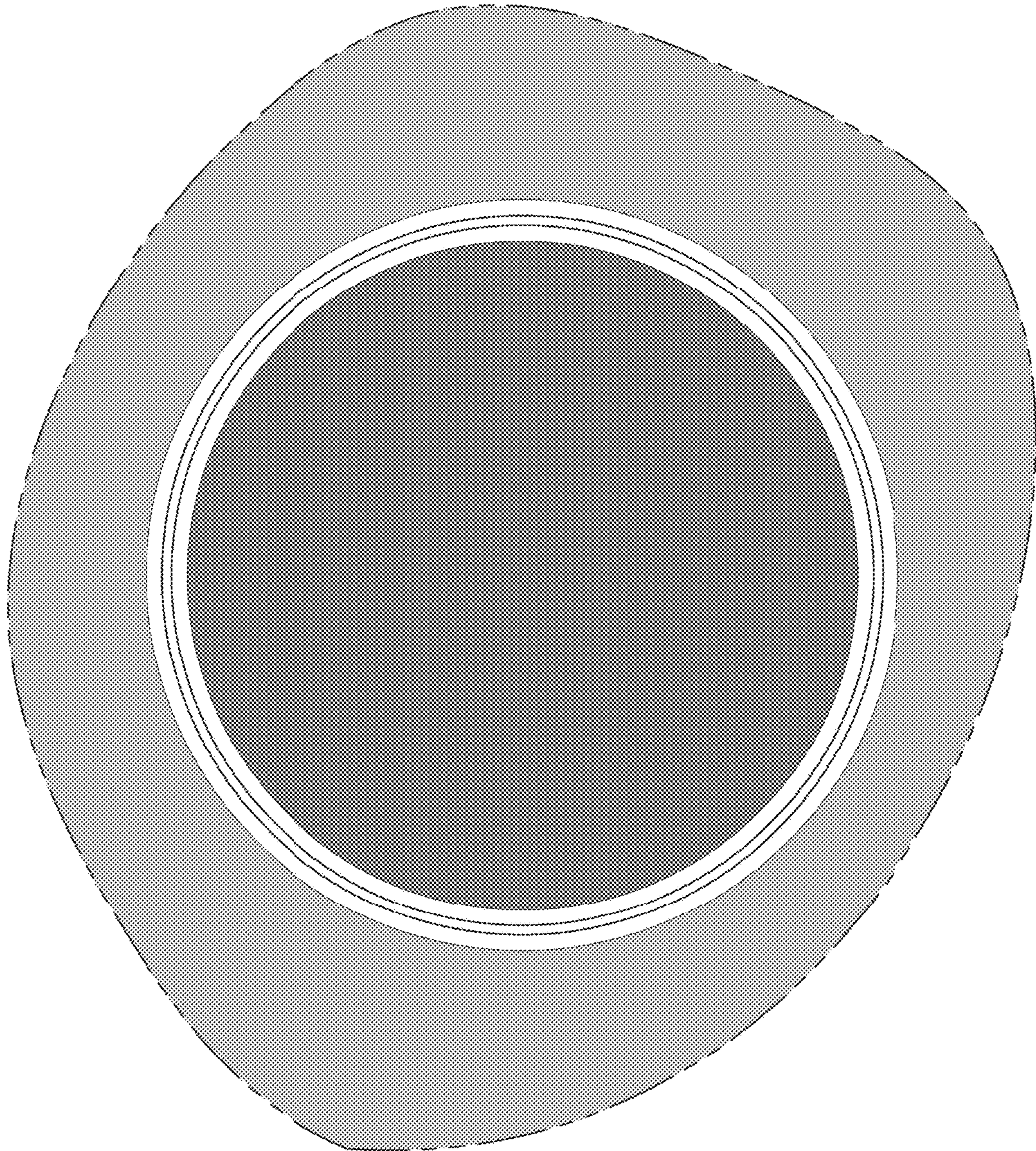


FIG. 21