



US00D958094S

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

(10) **Patent No.:** **US D958,094 S**
(45) **Date of Patent:** **** Jul. 19, 2022**

(54) **DISPLAY PANEL**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **Samsung Display Co., Ltd.**, Yongin-si (KR)

CN 306059058 9/2020
CN 306059059 9/2020
KR 10-2017-0143142 A 12/2017

(72) Inventors: **Seung Han Jo**, Seoul (KR); **Min Chae Kwak**, Los Angeles, CA (US); **Byung Sun Kim**, Hwaseong-si (KR); **Il Goo Youn**, Anyang-si (KR); **Ji Eun Lee**, Seoul (KR); **Jun Young Jo**, Suwon-si (KR); **Min Hee Choi**, Hwaseong-si (KR)

OTHER PUBLICATIONS

Forney 56901 Lens Replacement Eye Pieces, first available Jul. 23, 2010, amazon.com, [online], [site visited Oct. 19, 2021], Available from internet URL: <https://www.amazon.com/Forney-56901-Replacement-Pieces-Round/dp/B003X4YDO4?th=1> (Year: 2010).*

(Continued)

(73) Assignee: **Samsung Display Co., Ltd.**, Yongin-si (KR)

Primary Examiner — Samantha Q Lawrence
Assistant Examiner — Holly M Rodriguez

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

(74) *Attorney, Agent, or Firm* — Lewis Roca Rothgerber Christie LLP

(21) Appl. No.: **29/721,793**

(57) **CLAIM**

(22) Filed: **Jan. 23, 2020**

The ornamental design for a display panel, as shown and described.

(30) **Foreign Application Priority Data**

DESCRIPTION

Jul. 29, 2019 (KR) 30-2019-0036179
Jul. 29, 2019 (KR) 30-2019-0036180

FIG. 1 is a front perspective view of a first embodiment of the display panel showing our new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top view thereof;
FIG. 7 is a bottom view thereof;
FIG. 8 is a front perspective view of a second embodiment of the display panel showing our new design;
FIG. 9 is a front view thereof;
FIG. 10 is a rear view thereof;
FIG. 11 is a left side view thereof;
FIG. 12 is a right side view thereof;
FIG. 13 is a top view thereof; and,
FIG. 14 is a bottom view thereof.

(51) **LOC (13) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D14/125**

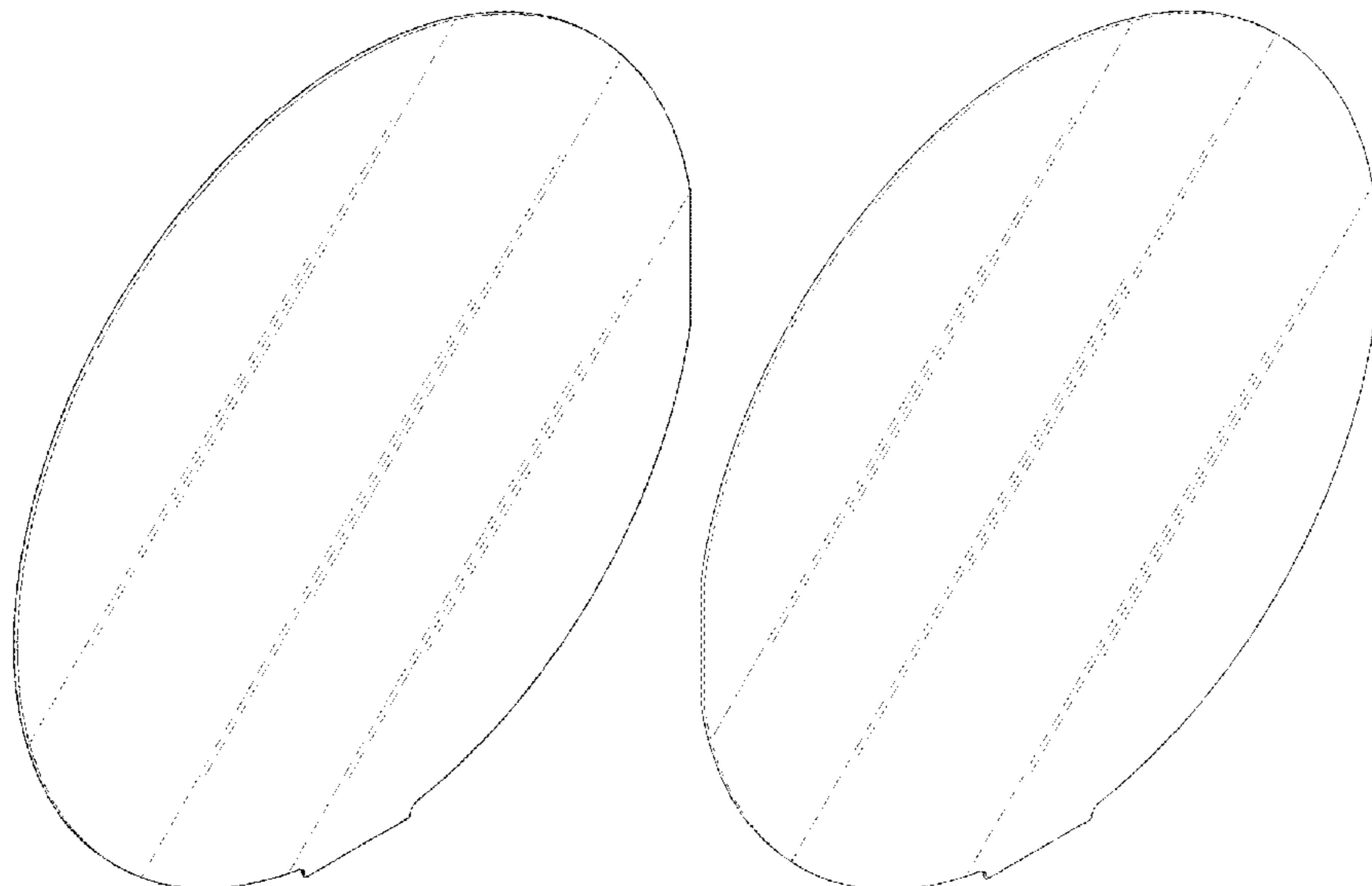
(58) **Field of Classification Search**
USPC D14/204, 209.1, 211, 221, 224–225,
D14/227–228, 239, 371, 372, 373,
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,348,899 A 8/1920 Sargent
2,080,733 A 5/1937 Mull
(Continued)

1 Claim, 10 Drawing Sheets



(58) **Field of Classification Search**

USPC D14/447-452, 125-129, 335-337,
 D14/374-377, 341, 440-442, 444,
 D14/446-447, 250, 217, 344-345,
 D14/348-349, 351-359, 363, 900;
 D8/355, 363, 373, 349; D6/672, 682,
 D6/300-314; D13/107, 101-103,
 D13/118-119, 184, 199; D10/30, 103,
 D10/123, 125, 132; D16/101, 216-217;
 D12/106; D24/103, 138, 140-144
 CPC F16M 11/2085; F16M 11/2092; F16M
 11/2007; F16M 11/2014; F16M 11/2021;
 F16M 11/105; F16M 11/10; F16M
 11/048; F16M 11/12; F16M 13/022;
 H04R 9/06; H04R 1/24; H04R 11/02;
 H04R 2400/00; G06F 1/20; G06F 1/1628;
 G06F 1/1626; G06F 1/1669; G06F
 1/1679; H05K 5/00; H05K 5/0213; H05K
 5/30; H05K 5/03; H05K 5/0017; A47B
 23/044; A47B 97/001; A47B 81/061;
 H04B 1/3888; A45C 11/00; A63B
 2225/685; H04M 1/0202; H04M 1/0266;
 H04M 1/725

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,774,328 A 11/1973 Tanney
 D262,802 S * 1/1982 Ylvisaker 273/150
 D266,318 S 9/1982 Noguchi
 D267,239 S * 12/1982 Allen D10/132
 D286,862 S 11/1986 Yu
 4,630,093 A * 12/1986 Yamaguchi H01L 21/02019
 148/33
 D297,057 S 8/1988 Gardner
 5,182,233 A 1/1993 Inoue
 D333,437 S * 2/1993 Hirschhorn D10/12
 5,230,747 A * 7/1993 Maejima C30B 29/06
 148/33.2
 D433,071 S 10/2000 Barrett
 D483,574 S * 12/2003 Wanek D6/309
 6,817,127 B2 11/2004 Gottlieb et al.
 6,927,416 B2 8/2005 Arai et al.
 D525,483 S 7/2006 Schutts
 D529,724 S 10/2006 Mohundro
 D541,595 S * 5/2007 Barnes D7/624.1
 D556,265 S 11/2007 Cuzzocrea
 D559,560 S 1/2008 Mischel, Jr.
 D575,169 S * 8/2008 Wakamatsu D10/46
 D577,208 S 9/2008 Thompson
 D585,497 S 1/2009 Williams, Jr.
 D596,240 S 7/2009 Muniz et al.
 D603,726 S 11/2009 Watanabe et al.
 D615,401 S 5/2010 Ouimette et al.
 D651,991 S 1/2012 Nishiguchi et al.

8,264,303 B2 * 9/2012 Suzuki H03H 9/059
 333/193
 8,389,099 B1 * 3/2013 Matthews H01L 21/02013
 428/66.7
 D689,701 S * 9/2013 Mischel, Jr. D6/309
 8,981,531 B2 3/2015 Iwasaki et al.
 D726,672 S * 4/2015 Olodort D14/138 G
 D740,264 S * 10/2015 Kester D14/248
 D741,307 S * 10/2015 Kester D14/248
 D741,408 S 10/2015 Engelby et al.
 D761,736 S 7/2016 Imai et al.
 D789,311 S 6/2017 Okada et al.
 D791,091 S 7/2017 Okada et al.
 D792,024 S 7/2017 Maman
 D794,633 S * 8/2017 Ha D14/344
 D802,660 S 11/2017 Pryor
 D805,495 S * 12/2017 Kester D14/138 R
 D806,020 S * 12/2017 Lu D13/107
 D809,804 S * 2/2018 Tai D5/99
 D832,351 S 10/2018 Oshima
 D841,607 S 2/2019 Sunagawa
 D849,422 S * 5/2019 Tai D5/99
 D852,172 S 6/2019 Wu
 10,398,343 B2 9/2019 Murphy et al.
 D871,215 S 12/2019 Yu
 D899,108 S 10/2020 Chen
 D909,323 S * 2/2021 Yoshida D13/199
 D910,755 S 2/2021 Milbrandt et al.
 D918,848 S 5/2021 Sugiura et al.
 D923,002 S 6/2021 Hong et al.
 D924,823 S 7/2021 Saiki et al.
 2010/0244631 A1 9/2010 Kobayashi et al.
 2014/0145558 A1 5/2014 Hori et al.
 2015/0042207 A1 2/2015 Hori et al.
 2015/0102707 A1 4/2015 Hori et al.
 2018/0013092 A1 1/2018 Park
 2020/0013970 A1 1/2020 Wang et al.

OTHER PUBLICATIONS

5.0" 1080x1080 Round Screen Display Panel—MIPI, displaymodule.com, [online], [site visited Oct. 19, 2021], Available from internet URL: <https://www.displaymodule.com/products/5-0-1080x1080-round-screen-display-panel-mipi> (Year: 2021).
 LCD Display Screen Module, Mioyoow, amazon.com, published by Mioyoow on Nov. 5, 2020 © 1996-2021 Amazon.com, Inc., online, visited May 11, 2021. URL: https://www.amazon.com/Display-Screen-Interface-240x240-Resolution/dp/B08MTJ2W79/ref=sr_1_2?dchild=1&keywords=round+tft+module&qid=1620765881&sr=8-2 (Year: 2020).
 800x800 Round Screen Display Panel, DisplayModule, displaymodule.com, author unlisted, published on Mar. 12, 2019 per wayback machine © 2021 DisplayModule, online, site visited May 14, 2021. Available at URL: <https://www.displaymodule.com/products/dm-tft34-359> (Year: 2019).
 U.S. Ex Parte Quayle Action dated Jun. 3, 2021, issued in U.S. Appl. No. 29/721,795 (12 pages).
 U.S. Notice of Allowance dated Sep. 2, 2021, issued in U.S. Appl. No. 29/721,795 (10 pages).

* cited by examiner

FIG. 1

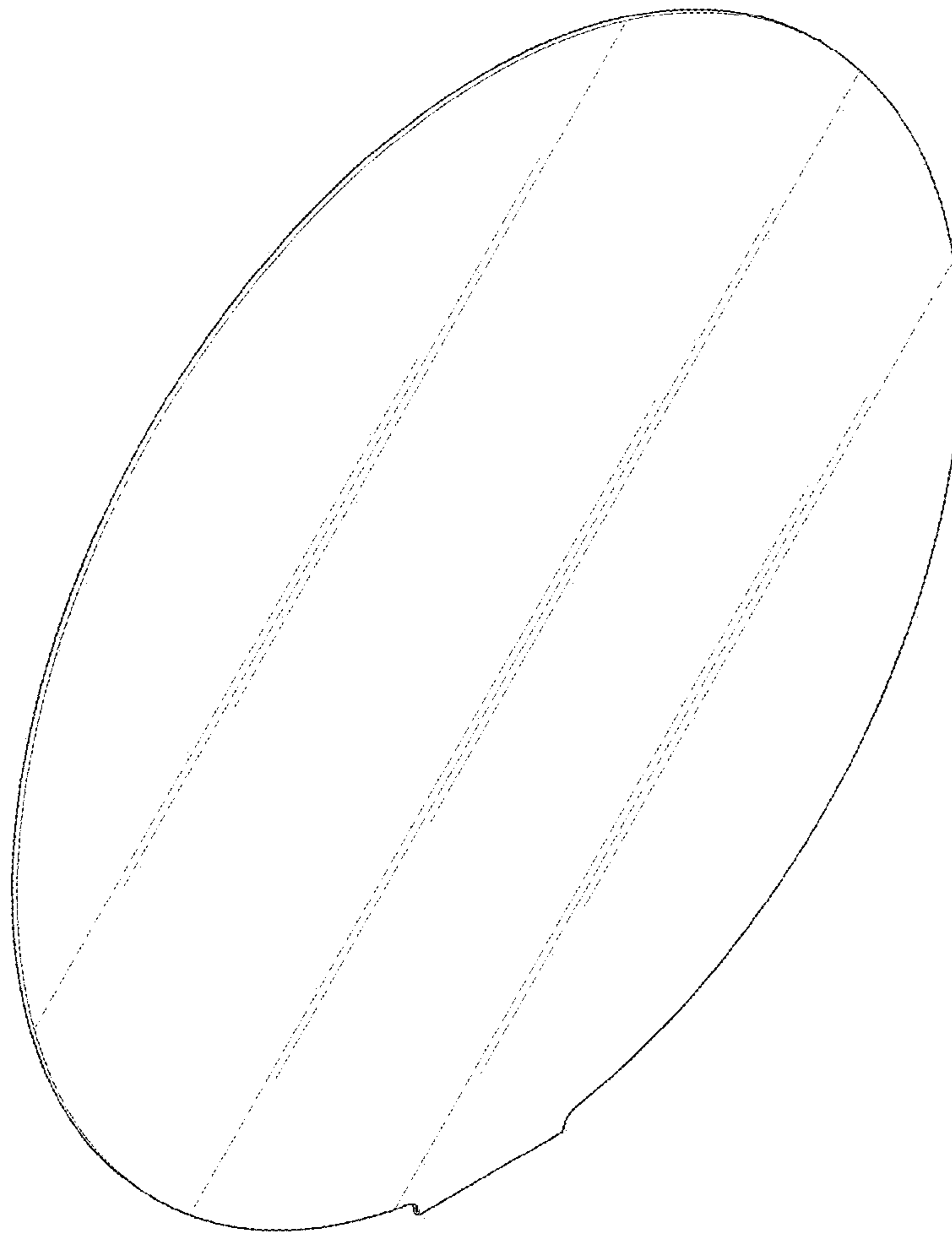


FIG. 2

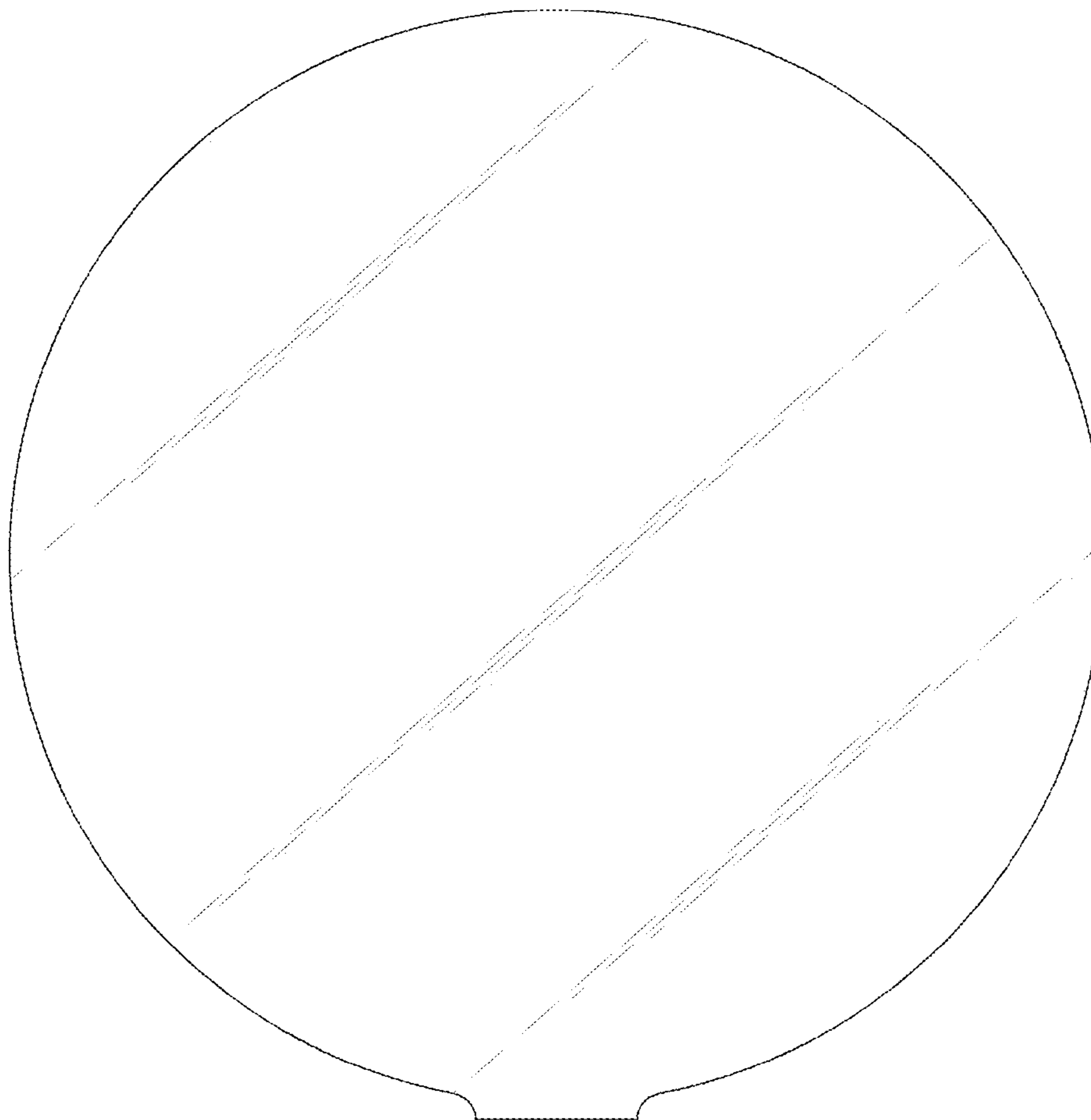


FIG. 3

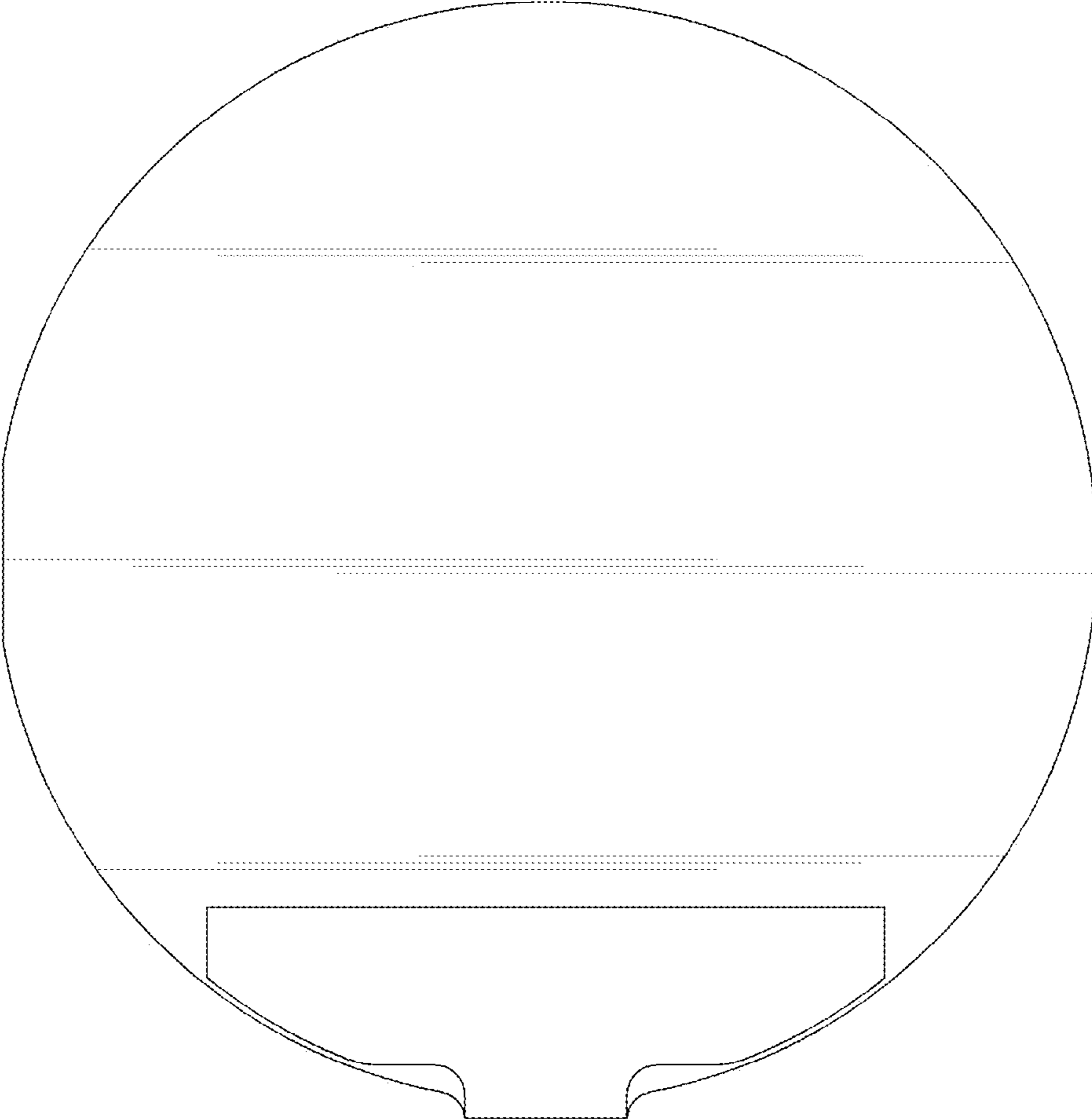


FIG. 4



FIG. 5

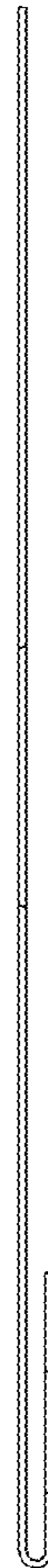


FIG. 6

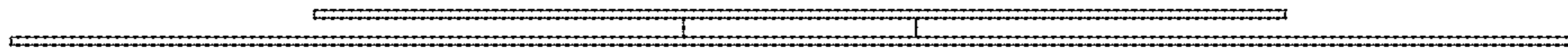


FIG. 7

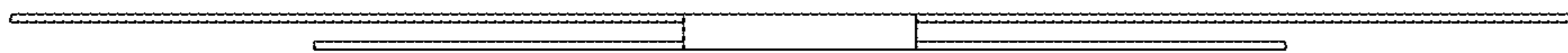


FIG. 8

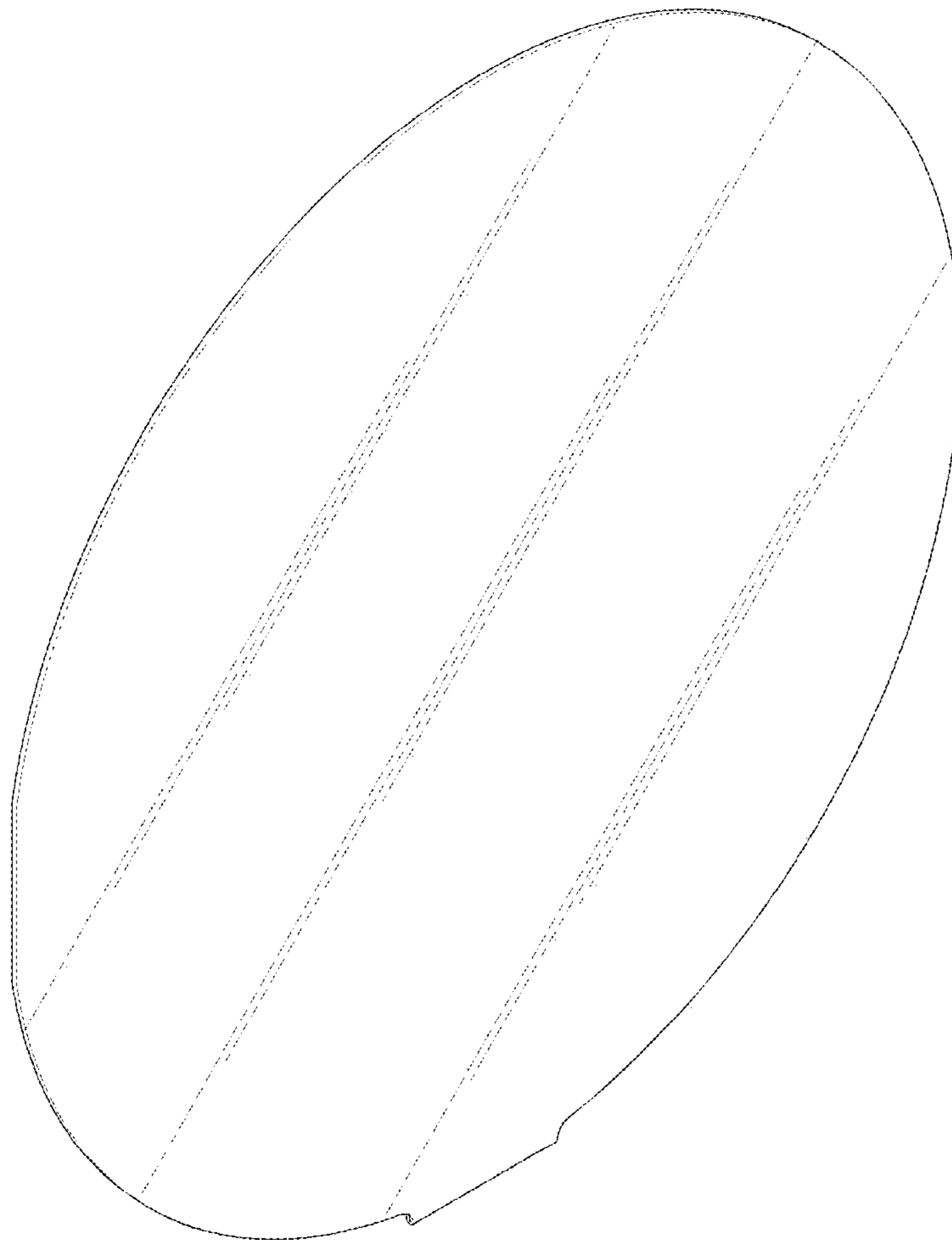


FIG. 9

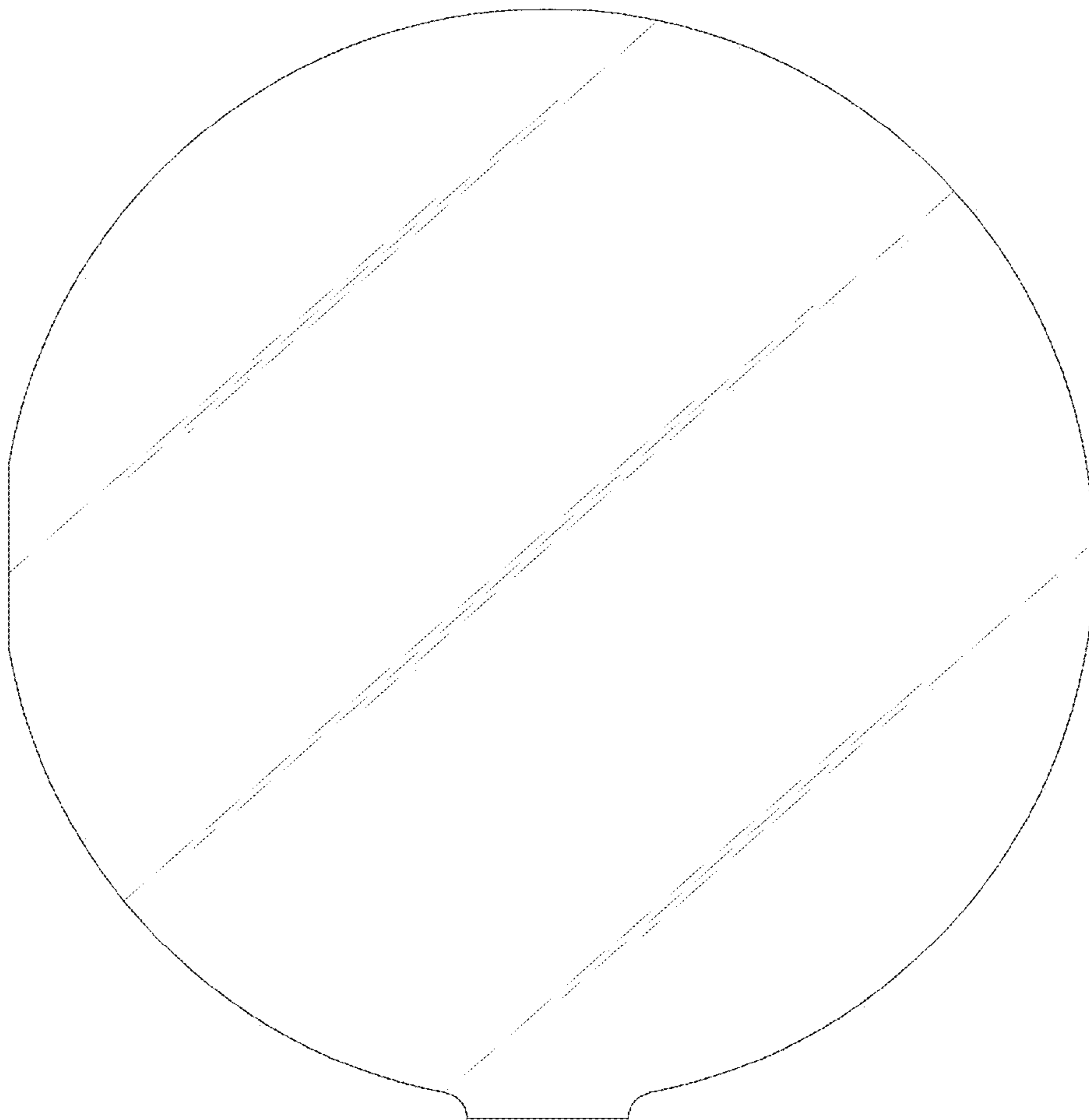


FIG. 10

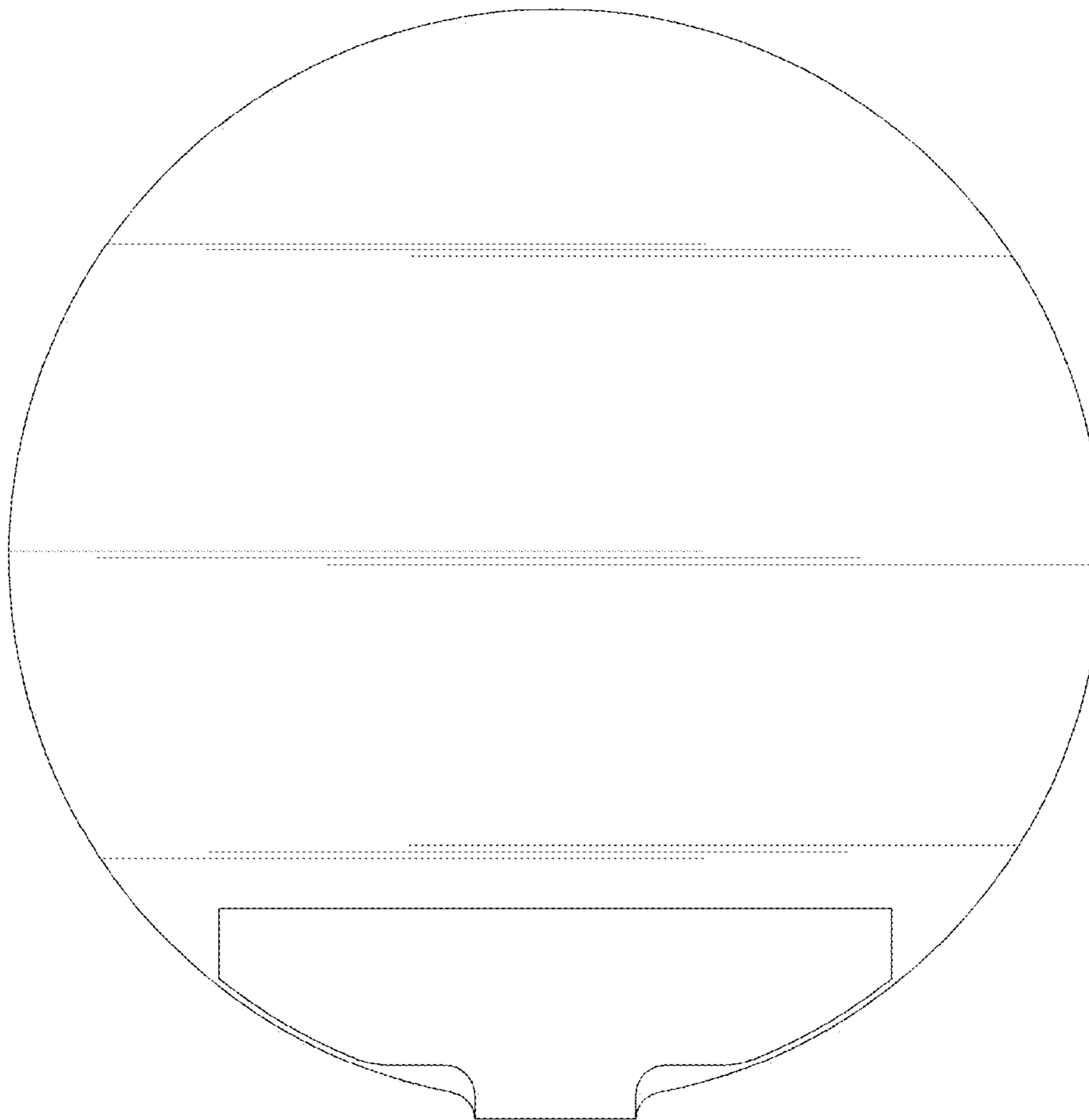


FIG. 11

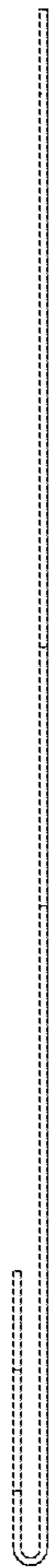


FIG. 12

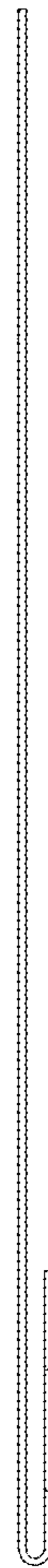


FIG. 13

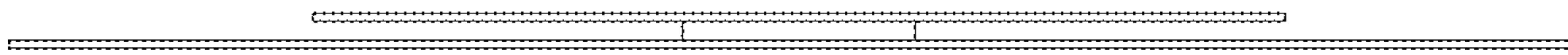


FIG. 14

