

US00D940136S

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

(10) **Patent No.:** **US D940,136 S**
(45) **Date of Patent:** **** Jan. 4, 2022**

(54) **PORTABLE ELECTRONIC DEVICE**

- (71) Applicant: **SomniQ, Inc.**, Sunnyvale, CA (US)
- (72) Inventors: **Rikko Sakaguchi**, Sunnyvale, CA (US);
Ken Yano, Tokyo (JP)
- (73) Assignee: **SomniQ, Inc.**, Sunnyvale, CA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/709,834**
- (22) Filed: **Oct. 17, 2019**

Related U.S. Application Data

- (60) Continuation of application No. 29/631,425, filed on Dec. 29, 2017, now Pat. No. Des. 864,961, which is (Continued)
- (51) **LOC (13) Cl.** **14-02**
- (52) **U.S. Cl.**
USPC **D14/388**; D14/218
- (58) **Field of Classification Search**
USPC D14/356, 357, 358, 361, 362, 365, 367, D14/370, 388, 432, 434, 203.1, 203.6, D14/204, 205, 216, 217, 218, 240, 242, D14/299, 125, 129, 130, 140, 155, 168, D14/188, 195, 300, 302, 314, 348, 351, D14/496, 399-401, 412-416, 454-457,
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

- D221,818 S 9/1971 Chardack
- D230,608 S * 3/1974 Winston D14/202
(Continued)

FOREIGN PATENT DOCUMENTS

- JP S59132718 7/1984
- JP H11232012 8/1999

(Continued)

OTHER PUBLICATIONS

WiFi Smart IR Hub _ IR Controller. (online) 10 pgs. Available Dec. 12, 2018. [Retrieved Aug. 18, 2021] <https://www.amazon.com/dp/B07L9VV9N8?tag=sse-2-20&linkCode=ogi&th=1&psc=1>.*

(Continued)

Primary Examiner — Marie D. Fast Horse

(74) *Attorney, Agent, or Firm* — Dorsey & Whitney LLP

(57) **CLAIM**

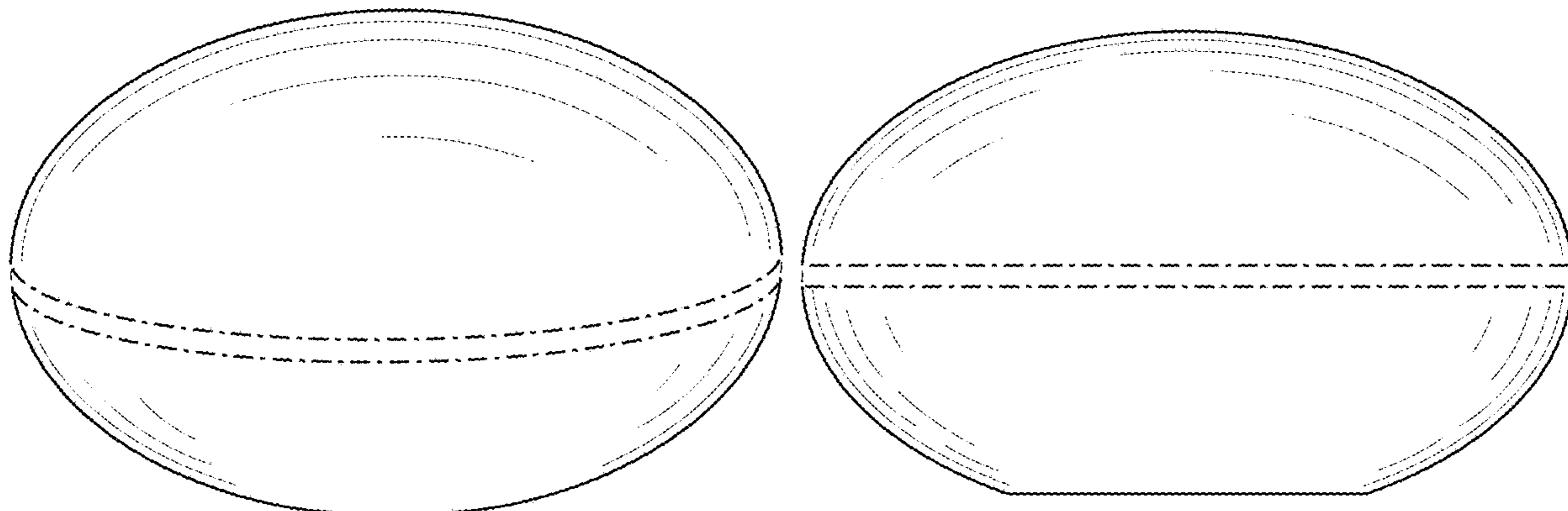
The ornamental design for a portable electronic device, as shown and described.

DESCRIPTION

FIG. 1 is an isometric view of a portable electronic device; FIG. 2 is a front view of the portable electronic device in FIG. 1; FIG. 3 is a left side view of the portable electronic device in FIG. 1; FIG. 4 is a right side view of the portable electronic device in FIG. 1; FIG. 5 is a back view of the portable electronic device in FIG. 1; FIG. 6 is a top view of the portable electronic device in FIG. 1; and, FIG. 7 is a bottom view of the portable electronic device in FIG. 1.

The broken lines shown in the figures that are immediately adjacent to the shaded areas and define unshaded regions represent the bounds of the claim. All other broken lines, including the features within broken line boundaries are directed to environment. The broken lines form no part of the claimed design.

1 Claim, 4 Drawing Sheets



Related U.S. Application Data

a division of application No. 29/548,309, filed on Dec. 11, 2015, now Pat. No. Des. 806,711.

(58) **Field of Classification Search**

USPC D14/172; D13/103, 107, 108, 123, 162, D13/162.1, 163, 168, 184, 199; D10/104.1, 106.6, 116.1, 61, 62, 64, 65, D10/75; D21/324, 332, 333; D24/167, D24/168, 186; D28/8.1, 8.2, 82; D3/229, 273; D9/545, 549, 428
CPC ... G06F 3/00; G06F 3/01; G06F 3/011; G06F 3/012; G06F 3/013; G06F 3/015; G06F 3/016; G06F 3/017; G06F 3/0304; G06F 3/0346; G06F 3/041; G06F 3/16; G06F 3/0202; G06F 1/1694; G06F 2203/0384; G08B 21/00

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D249,091 S 8/1978 Burtis
D262,464 S 12/1981 Vernon, Jr.
D286,124 S 10/1986 Dempsey
D297,328 S 8/1988 Nozo et al.
4,804,945 A 2/1989 Millet
D303,356 S 9/1989 Couch
D324,106 S 2/1992 Greenblatt
D325,582 S 4/1992 Emmons et al.
D327,690 S 7/1992 Ogawa et al.
D331,060 S 11/1992 Emmons et al.
5,243,430 A 9/1993 Emmons
D339,986 S 10/1993 Garouste et al.
D345,507 S 3/1994 Granai
D363,569 S 10/1995 Lai
D371,793 S * 7/1996 Patton D14/218
D382,255 S 8/1997 Moffatt
D382,261 S 8/1997 Kaneko et al.
D396,852 S 8/1998 Chao
D408,285 S 4/1999 Favre
D408,590 S 4/1999 Litton
D414,190 S 9/1999 Pinchuk
D418,125 S 12/1999 Jobs et al.
D430,358 S 8/2000 Papiernik
D433,994 S 11/2000 Jobs et al.
D443,726 S 6/2001 Faillant-Dumas
D443,727 S 6/2001 Faillant-Dumas
D463,991 S 10/2002 Curry et al.
D465,469 S 11/2002 Heath
D465,733 S 11/2002 Hill
D467,037 S 12/2002 Bakic
6,558,165 B1 5/2003 Curry
D479,366 S 9/2003 Goswell
D480,396 S 10/2003 Buckner
D489,706 S 5/2004 Chen
D494,633 S 8/2004 Nussberger et al.
D496,004 S 9/2004 Borsboom
D503,692 S 4/2005 Basta
D514,122 S * 1/2006 Rodarte D14/203.6
D518,030 S 3/2006 Lin
D518,819 S 4/2006 Gray
D521,512 S 5/2006 Kunzi et al.
D526,916 S 8/2006 Oas
D527,008 S 8/2006 Greenrod
D541,228 S 4/2007 Thursfield
D546,780 S 7/2007 Marchetto et al.
D558,767 S 1/2008 Solland
D561,022 S 2/2008 Terrasi
D568,304 S * 5/2008 Park D14/240
D578,711 S 10/2008 Burrow et al.
D579,937 S 11/2008 Cohen
D595,670 S 7/2009 Glassman et al.
D595,734 S 7/2009 Son

D596,815 S 7/2009 Baek
D597,524 S 8/2009 Jha
D601,564 S 10/2009 Maeno
D602,858 S 10/2009 Ellis et al.
D602,915 S 10/2009 Song et al.
D602,916 S 10/2009 Won et al.
D606,973 S 12/2009 Jha
D607,347 S 1/2010 Goh et al.
D609,213 S * 2/2010 Yeo D14/203.1
D610,479 S 2/2010 Shi
D619,562 S 7/2010 Jha
D625,879 S * 10/2010 Sabernig D26/106
D626,147 S 10/2010 Goddard
D627,306 S 11/2010 Charleux
D628,190 S 11/2010 Jha
D632,265 S 2/2011 Choi et al.
D632,281 S 2/2011 Hoehn et al.
D636,380 S 4/2011 Valeur
D636,760 S 4/2011 Cheng
D637,306 S 5/2011 Feuerabend et al.
D643,412 S 8/2011 Brady et al.
8,089,458 B2 1/2012 Barney et al.
D654,866 S 2/2012 Rautiainen
D656,034 S 3/2012 Wanders
D664,932 S * 8/2012 Sedic D13/168
D672,465 S 12/2012 Sherman
D683,636 S 6/2013 Levanen
D683,843 S 6/2013 Cudworth
D685,790 S 7/2013 Tang
D687,009 S 7/2013 Song et al.
D695,258 S 12/2013 Hauser et al.
D700,080 S 2/2014 Broadbent et al.
D700,571 S 3/2014 Guccione et al.
D700,904 S 3/2014 Miller et al.
D705,509 S 5/2014 Liu et al.
D717,674 S 11/2014 Vu et al.
D719,165 S 12/2014 Hill et al.
D724,060 S 3/2015 Ahn et al.
D726,924 S 4/2015 Tseng et al.
D729,773 S 5/2015 Salojarvi et al.
D730,891 S 6/2015 Wang
D731,334 S 6/2015 Fiedler et al.
D731,579 S 6/2015 Bart et al.
D732,033 S 6/2015 Sakaguchi
D738,376 S 9/2015 Sakaguchi
D743,645 S 11/2015 Lee
9,189,090 B2 11/2015 Tanaka
9,218,055 B2 12/2015 Sakaguchi et al.
D746,886 S 1/2016 Breazeal et al.
D747,984 S 1/2016 Zhao et al.
D751,538 S * 3/2016 Koehler D14/240
D752,531 S 3/2016 Xu et al.
D755,750 S 5/2016 Chen
D756,955 S 5/2016 Wagner
D763,967 S 8/2016 Kujawski et al.
D768,114 S 10/2016 Hou et al.
D769,846 S 10/2016 Hong et al.
D770,417 S 11/2016 Chen
D773,947 S 12/2016 Scarcella et al.
D774,717 S 12/2016 Choi et al.
D775,233 S * 12/2016 Beck D14/496
D776,820 S 1/2017 Rouillac et al.
D777,331 S 1/2017 Jayalath et al.
D778,871 S 2/2017 Corval
D778,876 S 2/2017 Zhang
D778,878 S 2/2017 De Vaal
D783,838 S 4/2017 Zhao et al.
D786,252 S 5/2017 Fauvel et al.
D800,653 S 10/2017 Smiedt et al.
9,830,005 B2 11/2017 Sakaguchi et al.
D806,711 S 1/2018 Sakaguchi et al.
D809,951 S * 2/2018 Yang D10/104.1
D810,263 S * 2/2018 Lu D23/366
D813,761 S * 3/2018 Balaesque D12/174
D815,292 S * 4/2018 Goldman D24/186
9,946,351 B2 4/2018 Sakaguchi et al.
D831,189 S 10/2018 Fang et al.
D834,560 S 11/2018 Hardi
D843,234 S * 3/2019 Naslund D10/49

(56)

References Cited

U.S. PATENT DOCUMENTS

10,222,875 B2 3/2019 Sakaguchi et al.
 D844,593 S 4/2019 Bould et al.
 D848,405 S 5/2019 Bould et al.
 D849,704 S * 5/2019 Kim D14/137
 D851,526 S * 6/2019 Lee D10/101
 D853,382 S * 7/2019 Haigh D14/358
 D856,287 S * 8/2019 Chen D13/168
 D856,289 S * 8/2019 Bould D13/168
 D858,463 S * 9/2019 Nien D13/168
 D860,198 S * 9/2019 Engwall D14/356
 D860,202 S * 9/2019 Costa D14/388
 D861,644 S * 10/2019 Sohn D14/218
 D863,258 S * 10/2019 Song D14/218
 D864,930 S * 10/2019 Bould D14/240
 D864,961 S * 10/2019 Sakaguchi D14/388
 D866,553 S * 11/2019 Miura D14/388
 D867,339 S * 11/2019 Afshar Bakooshli D14/218
 D867,340 S * 11/2019 Afshar Bakooshli D14/218
 D867,341 S * 11/2019 Afshar Bakooshli D14/218
 D867,342 S * 11/2019 Afshar Bakooshli D14/218
 D867,343 S * 11/2019 Afshar Bakooshli D14/218
 D867,344 S * 11/2019 Afshar Bakooshli D14/218
 D868,036 S * 11/2019 Sohn D14/218
 D868,603 S * 12/2019 Yin D10/53
 D870,797 S * 12/2019 Lee D16/230
 D870,896 S * 12/2019 Komaki D24/186
 D877,149 S * 3/2020 Johnston D14/388
 D877,344 S * 3/2020 Munger D24/186
 D878,325 S * 3/2020 Paterson D14/203.1
 D879,053 S * 3/2020 Yu D13/168
 D882,432 S * 4/2020 Yee A61B 5/72
 D886,767 S * 6/2020 Matarese D14/204
 D886,795 S * 6/2020 Tak D14/204
 D890,752 S * 7/2020 Huang D14/358
 D897,543 S * 9/2020 Jones D24/187
 D900,812 S * 11/2020 Friedman D14/357
 D900,821 S * 11/2020 Johnston D14/388
 D901,431 S * 11/2020 Paterson D14/203.1
 D907,590 S * 1/2021 Bould D13/168
 D908,895 S * 1/2021 Deriso D24/186
 D909,994 S * 2/2021 Bristol D14/218
 D920,944 S * 6/2021 Paterson D14/203.1
 D920,948 S * 6/2021 Tak D14/204
 D928,329 S * 8/2021 Huang D24/186
 2002/0055383 A1 5/2002 Onda et al.
 2002/0135618 A1 9/2002 Maes et al.
 2004/0250218 A1 12/2004 Wecker et al.
 2006/0028429 A1 2/2006 Kanevsky et al.
 2007/0135689 A1 6/2007 Asukai et al.

2007/0247439 A1 10/2007 Daniel et al.
 2008/0096533 A1 4/2008 Manfredi et al.
 2009/0021380 A1 1/2009 Higuchi et al.
 2010/0123588 A1 5/2010 Hernandez
 2010/0144436 A1 6/2010 Marks et al.
 2011/0304648 A1 12/2011 Kim et al.
 2012/0062483 A1 3/2012 Ciesla et al.
 2012/0249466 A1 10/2012 Ito et al.
 2012/0280917 A1 11/2012 Toksvig et al.
 2013/0063611 A1 3/2013 Papakipos et al.
 2014/0013417 A1 1/2014 Sakai et al.
 2014/0112556 A1 4/2014 Kalinli-Akbacak
 2014/0139466 A1 5/2014 Sakaguchi et al.
 2014/0285435 A1 9/2014 Bezos
 2014/0324749 A1 10/2014 Peters et al.
 2014/0379341 A1 12/2014 Seo et al.
 2015/0026613 A1 1/2015 Kwon et al.
 2015/0026647 A1 1/2015 Park et al.
 2015/0268737 A1 9/2015 Gelfond et al.
 2016/0062496 A1 3/2016 Sakaguchi et al.
 2016/0246373 A1 8/2016 Sakaguchi et al.
 2017/0168595 A1 6/2017 Sakaguchi et al.
 2018/0203512 A1 7/2018 Sakaguchi et al.

FOREIGN PATENT DOCUMENTS

JP 2001-025984 A 1/2001
 JP 2007034544 2/2007
 JP 2007058844 3/2007
 JP 2009026125 2/2009
 JP 2012075089 4/2012
 JP 2012509145 4/2012
 KR 2009-0093286 9/2009
 KR 2012-0092316 8/2012
 WO 0237249 A2 5/2002
 WO 2007034388 A2 3/2007
 WO 2009036327 A1 3/2009
 WO 2013055380 A1 4/2013
 WO 2014081813 A1 5/2014
 WO 2016137797 A1 9/2016
 WO 2017100641 A1 6/2017

OTHER PUBLICATIONS

First Office Action for JP Application No. 2017-002177, dated Jul. 25, 2017.
 U.S. Appl. No. 29/631,425, entitled "Portable Electronic Device", filed Dec. 29, 2017.
 JP Office Action for JP appl. 2016-012586 dated Nov. 8, 2016.
 Cai, Yang, "Empathic Computing", Ambient Intelligence in Everyday Life, LNAI 3864, Jan. 2006, 67-95.

* cited by examiner

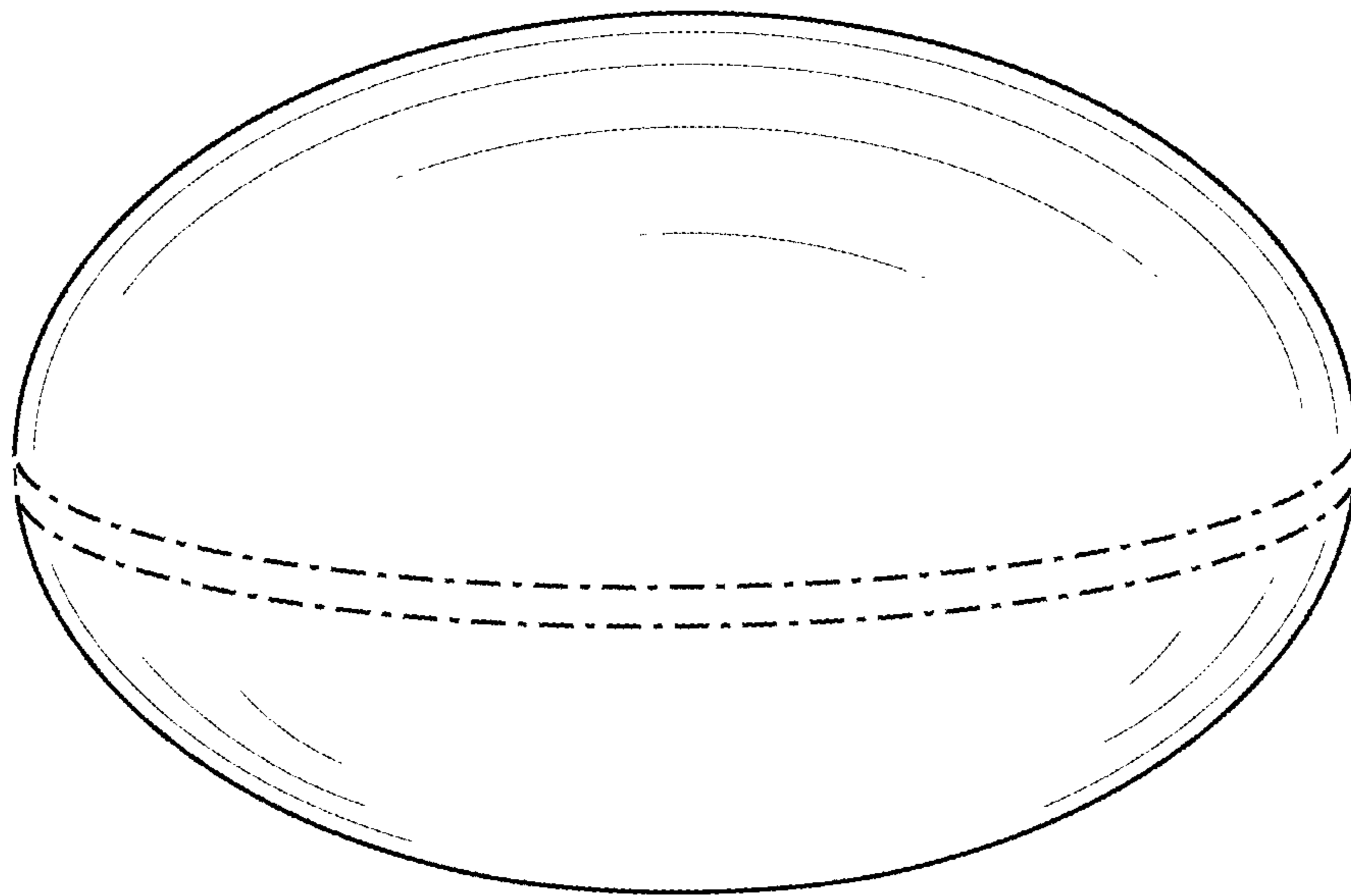


FIG. 1

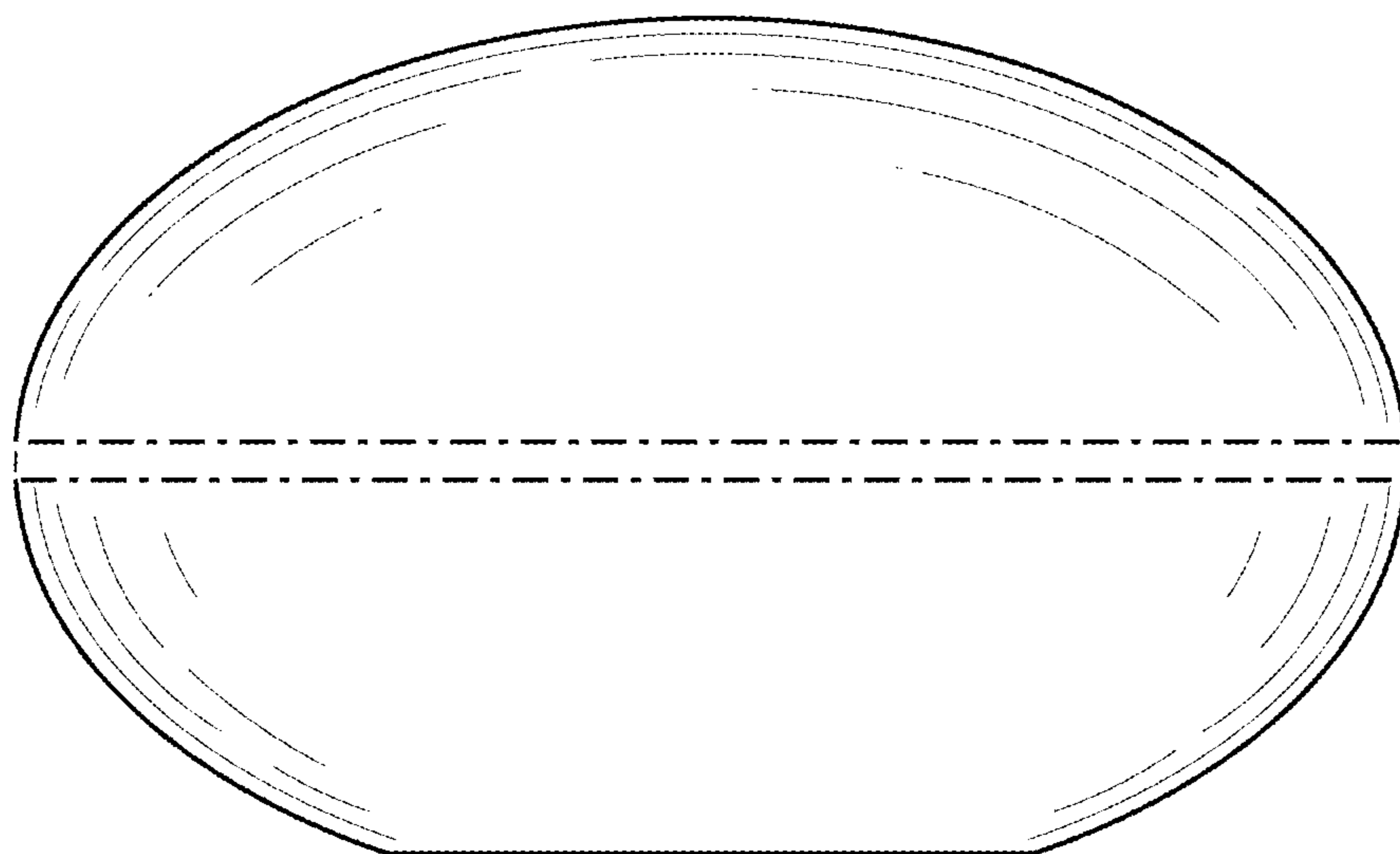


FIG. 2

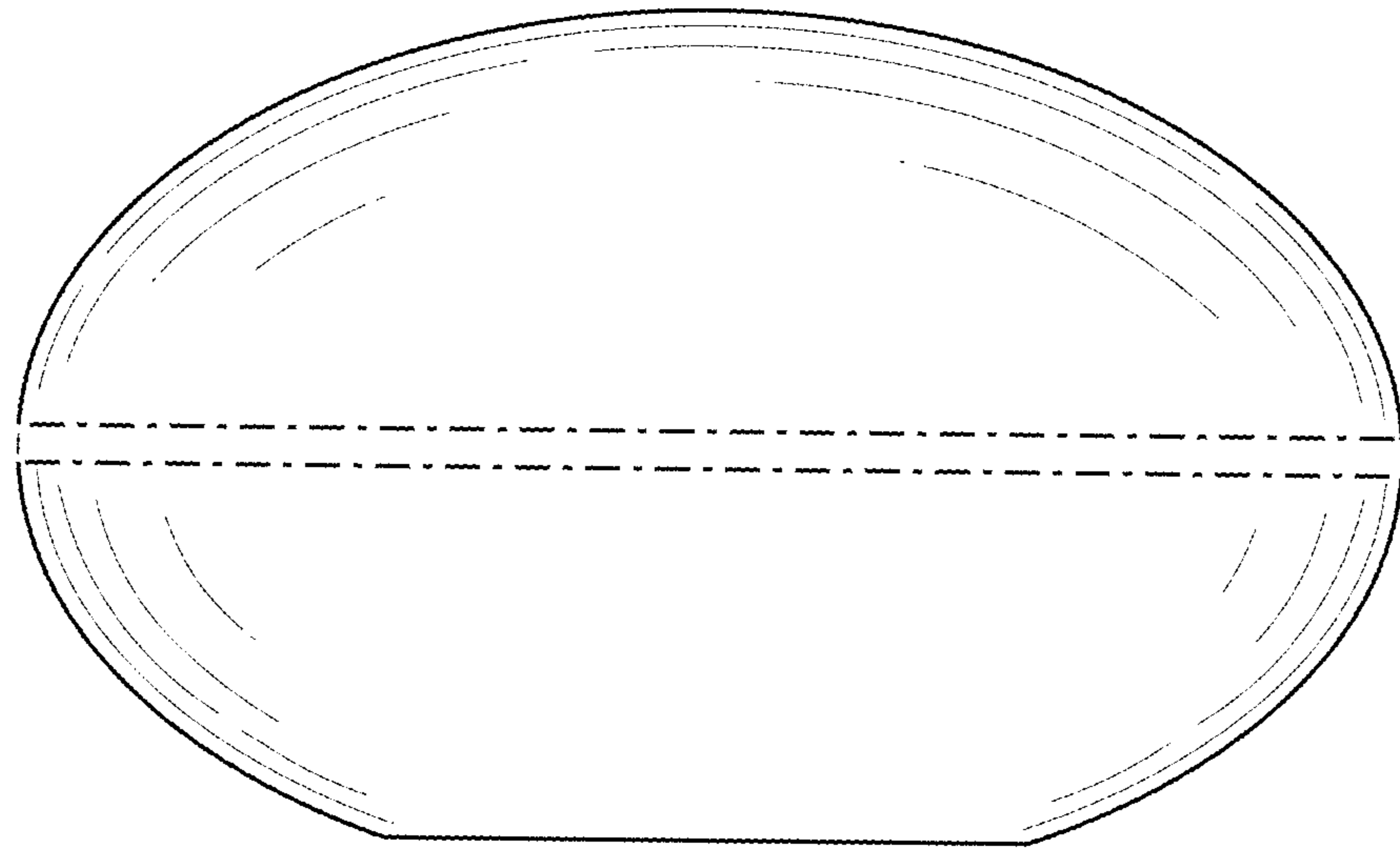


FIG. 3

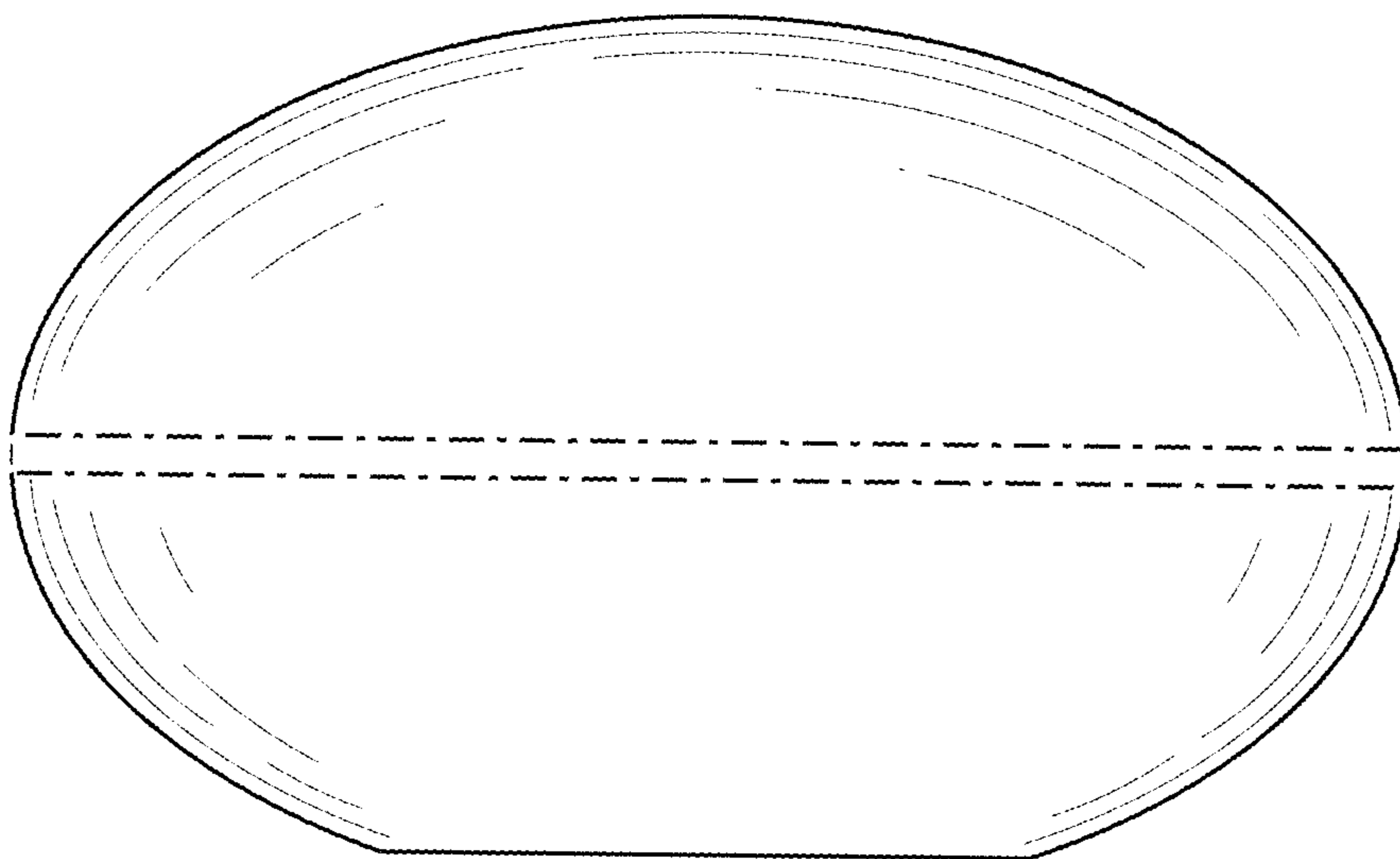


FIG. 4

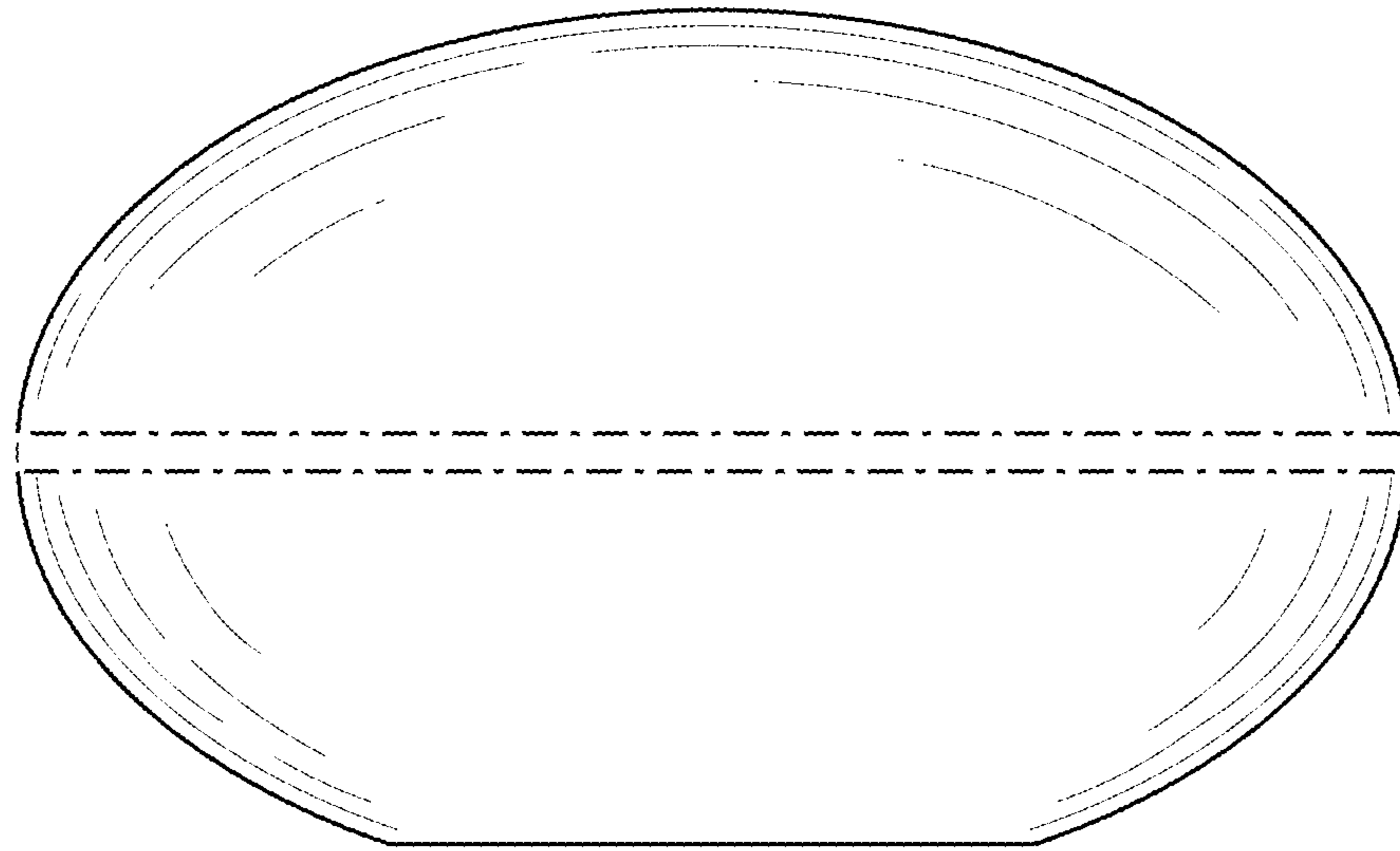


FIG. 5



FIG. 6

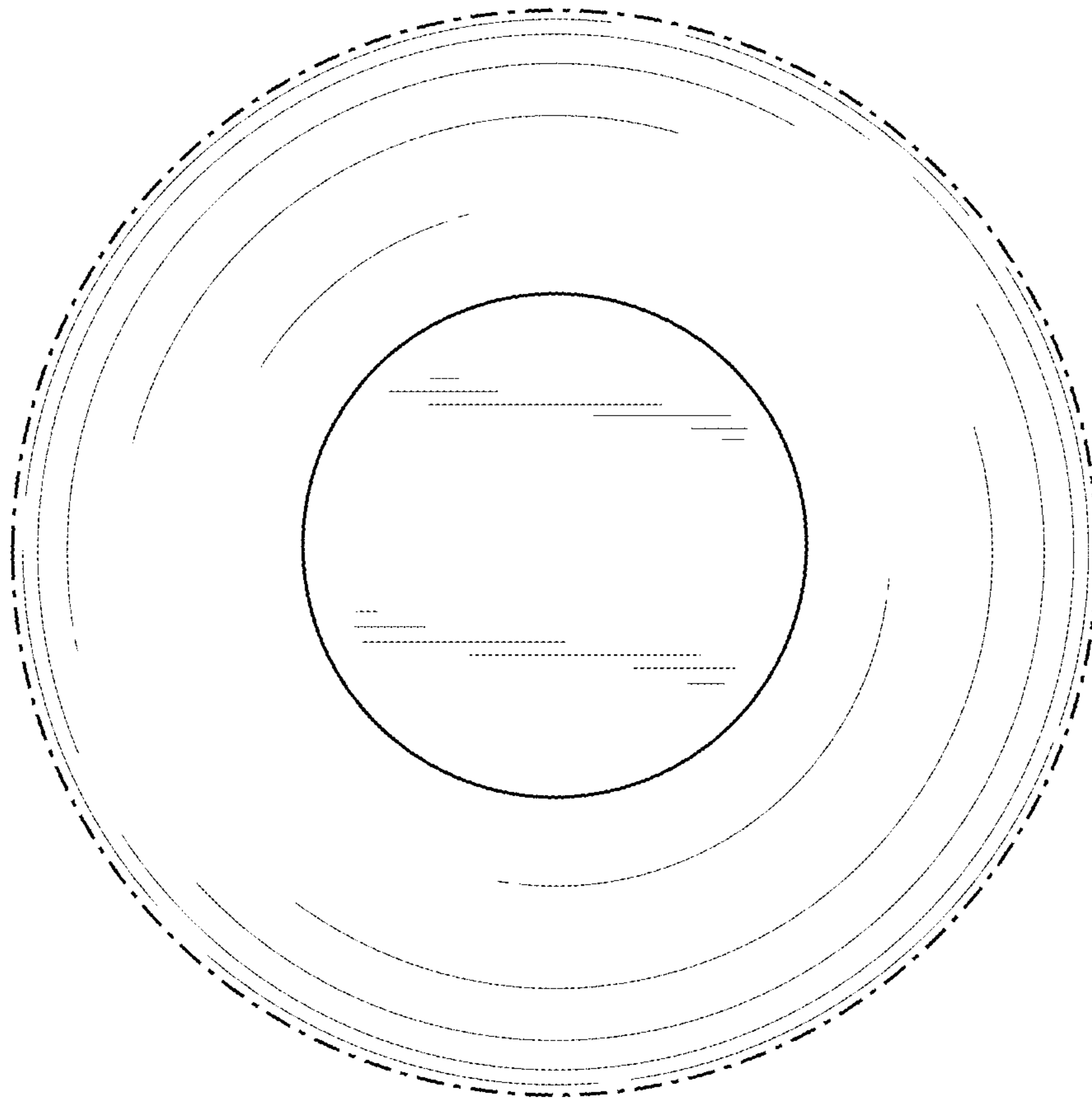


FIG. 7