

US00D892732S

(12) **United States Design Patent** (10) **Patent No.:** **US D892,732 S**
Akana et al. (45) **Date of Patent:** **** Aug. 11, 2020**

(54) **CHARGING SURFACE**

(71) Applicant: **Apple Inc.**, Cupertino, CA (US)

(72) Inventors: **Jody Akana**, San Francisco, CA (US); **Molly Anderson**, San Francisco, CA (US); **Bartley K. Andre**, Palo Alto, CA (US); **Shota Aoyagi**, San Francisco, CA (US); **Anthony Michael Ashcroft**, San Francisco, CA (US); **Marine C. Bataille**, San Francisco, CA (US); **Jeremy Bataillou**, San Francisco, CA (US); **Daniele De Iulii**, San Francisco, CA (US); **Markus Diebel**, San Francisco, CA (US); **M. Evans Hankey**, San Francisco, CA (US); **Julian Hoenig**, San Francisco, CA (US); **Richard P. Howarth**, San Francisco, CA (US); **Jonathan P. Ive**, San Francisco, CA (US); **Julian Jaede**, San Francisco, CA (US); **Duncan Robert Kerr**, San Francisco, CA (US); **Peter Russell-Clarke**, San Francisco, CA (US); **Benjamin Andrew Shaffer**, San Jose, CA (US); **Mikael Silvanto**, San Francisco, CA (US); **Christopher J. Stringer**, Woodside, CA (US); **Joe Sung Ho Tan**, San Francisco, CA (US); **Clement Tissandier**, San Francisco, CA (US); **Eugene Antony Whang**, San Francisco, CA (US); **Rico Zörkendörfer**, San Francisco, CA (US)

(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

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

(21) Appl. No.: **29/660,338**

(22) Filed: **Aug. 20, 2018**

Related U.S. Application Data

(63) Continuation of application No. 29/612,870, filed on Aug. 4, 2017, now Pat. No. Des. 826,151.

(51) **LOC (12) Cl.** 13-02

(52) **U.S. Cl.**
USPC **D13/108**

(58) **Field of Classification Search**
USPC D13/107-110, 118-119, 184; D14/251, D14/253, 432, 434

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D418,125 S 12/1999 Jobs et al.
D433,994 S 11/2000 Jobs et al.

(Continued)

FOREIGN PATENT DOCUMENTS

JP D1485362 12/2013
JP D1485364 12/2013

(Continued)

Primary Examiner — Nathaniel D. Buckner

(74) *Attorney, Agent, or Firm* — Sterne, Kessler, Goldstein & Fox P.L.L.C.

(57) **CLAIM**

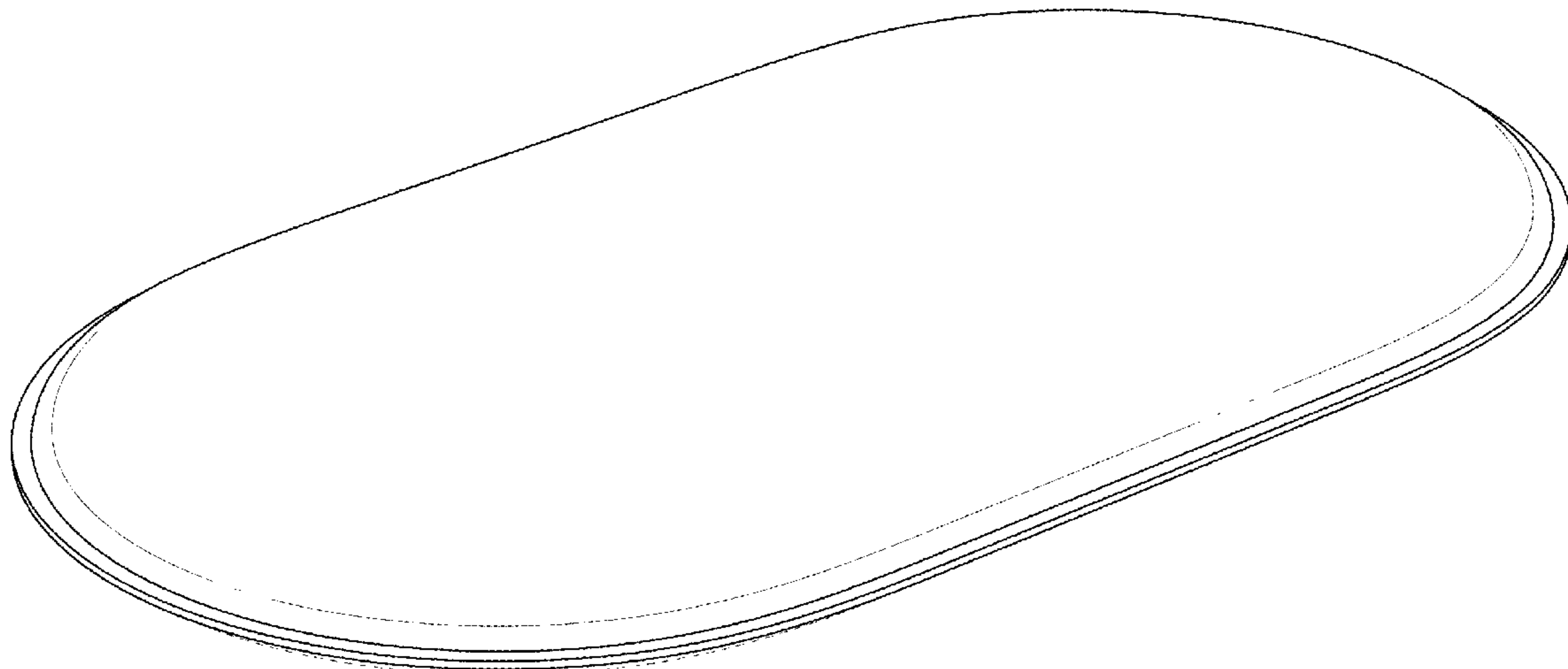
The ornamental design for a charging surface, as shown and described.

DESCRIPTION

FIG. 1 is a top front perspective view of a charging surface showing the claimed design;
FIG. 2 is a top rear perspective view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a front view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a top view thereof; and,
FIG. 8 is a bottom view thereof.

The broken lines in the figures show portions of the charging surface that form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(58) **Field of Classification Search**
 CPC Y02E 60/12; Y02T 90/14; Y02T 90/122;
 Y02T 90/128; Y02T 90/163; H02J 7/025;
 H02J 7/0042; H02J 7/0044; H02J 7/0045;
 H02J 7/0003; H01F 38/14; H01R
 13/6675; H01M 2/1022; H01M 2/1055;
 H01M 10/44; H01M 10/46; H01M
 10/425; B60L 11/182
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D454,568 S 3/2002 Andre et al.
 D529,607 S * 10/2006 Lindner D24/124
 D533,348 S * 12/2006 Andre D3/303
 D557,624 S 12/2007 Coster et al.
 D571,461 S * 6/2008 Plante D24/124
 D571,855 S * 6/2008 Law D14/436
 D578,961 S * 10/2008 Fisher D13/108
 D599,736 S 9/2009 Ferber et al.
 D601,799 S 10/2009 Andre et al.
 D611,408 S 3/2010 Ferber et al.
 D672,715 S * 12/2012 Brunner D13/110

D719,505 S 12/2014 Kim et al.
 D722,023 S 2/2015 Brunner et al.
 D730,906 S 6/2015 Amit et al.
 D736,706 S 8/2015 Huang et al.
 D744,109 S 11/2015 Yoneta et al.
 D757,275 S 5/2016 Lee
 D777,331 S 1/2017 Jayalath et al.
 D782,415 S * 3/2017 Zhang D13/108
 D793,958 S 8/2017 Rautiainen
 D795,183 S 8/2017 Akana et al.
 D797,101 S 9/2017 Wieser et al.
 D800,313 S 10/2017 Chang
 D802,589 S * 11/2017 Fisher D14/358
 D806,015 S 12/2017 Park et al.
 D807,318 S * 1/2018 Folkmann D14/149
 D819,592 S * 6/2018 Folkmann D14/149
 D826,151 S 8/2018 Akana et al.
 D839,191 S * 1/2019 Akana D13/108
 D847,741 S * 5/2019 Hu D13/108
 D857,626 S * 8/2019 Zhang D13/108

FOREIGN PATENT DOCUMENTS

JP D1495080 4/2014
 KR 30-0728310 2/2014

* cited by examiner



FIG. 1

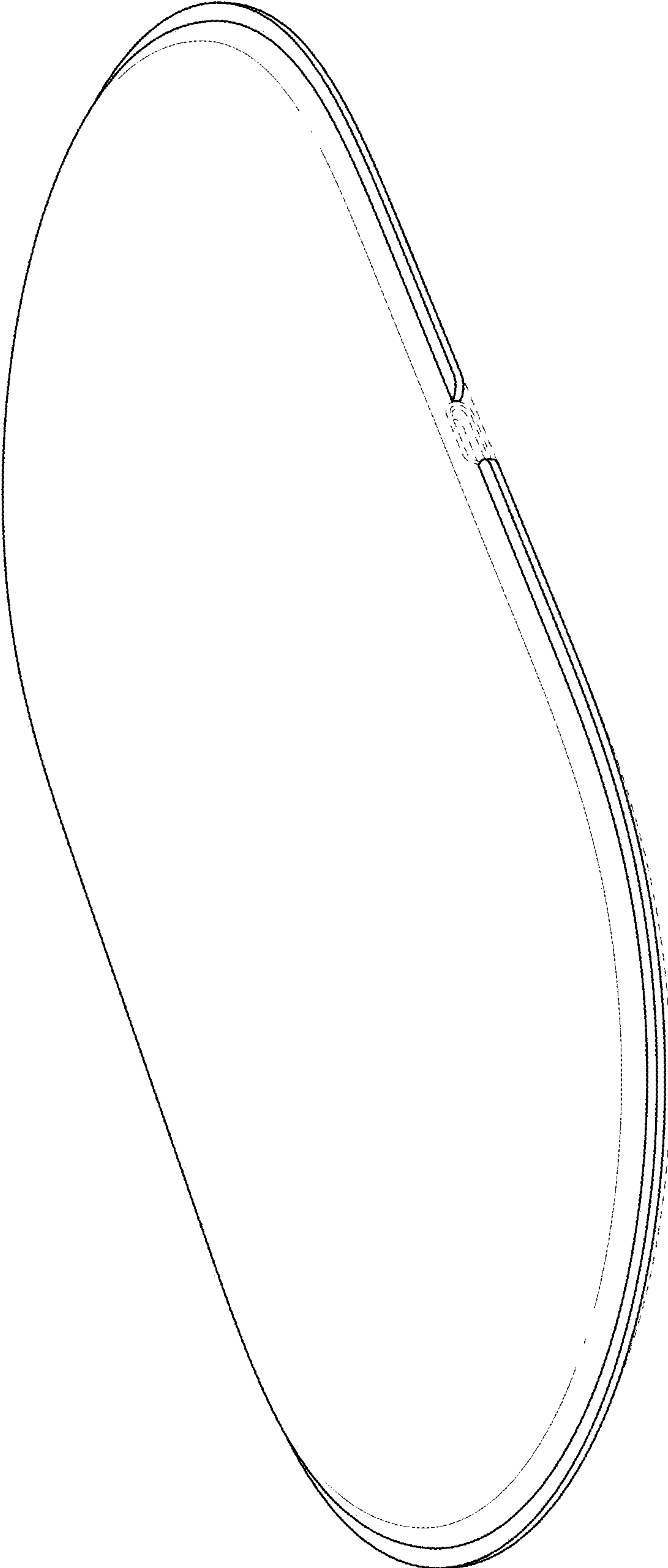


FIG. 2



FIG. 3

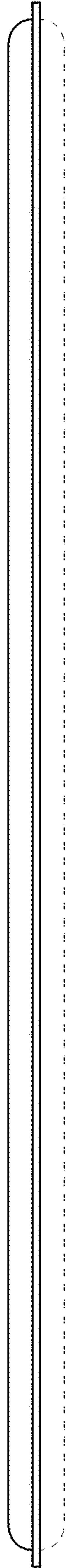


FIG. 4

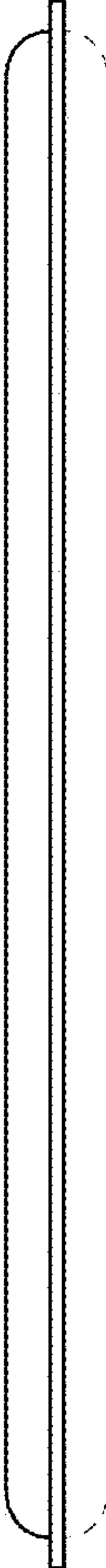


FIG. 5

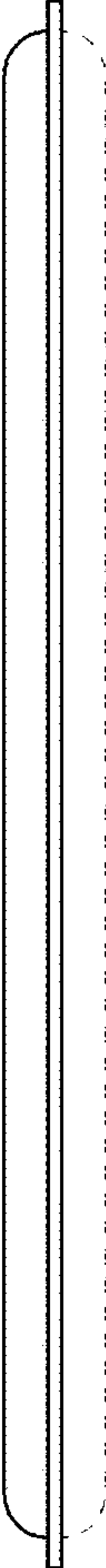


FIG. 6

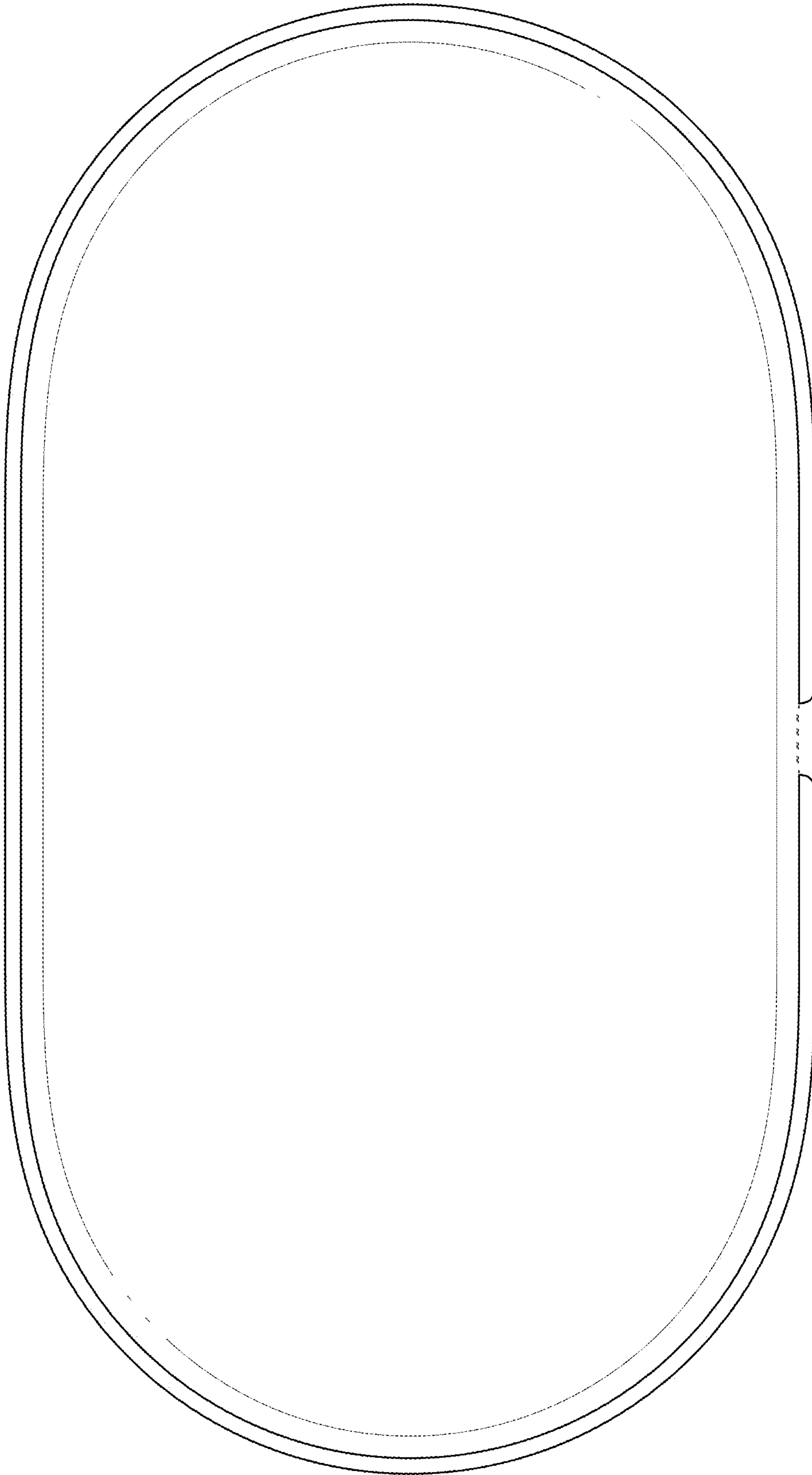


FIG. 7

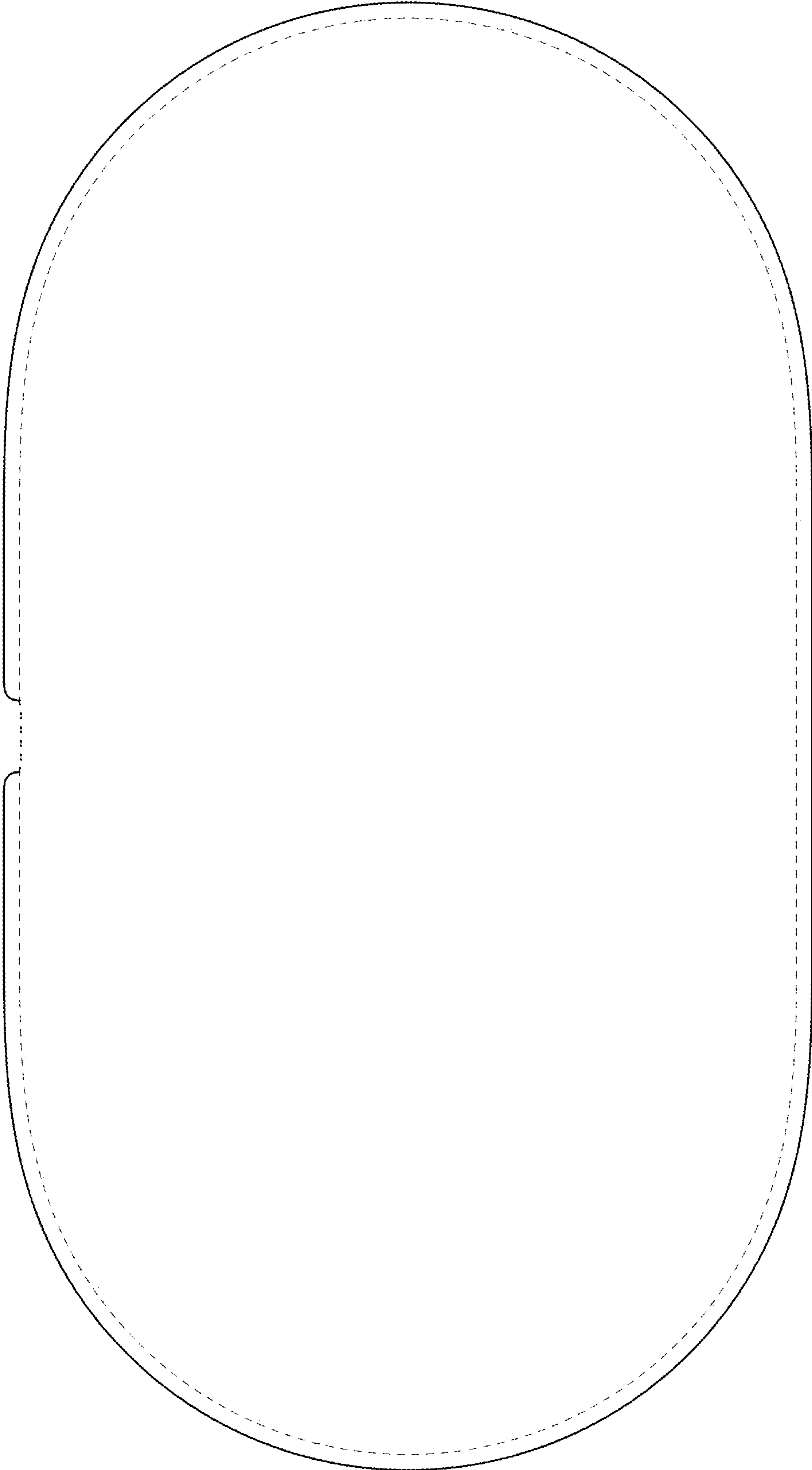


FIG. 8