



US00D830968S

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

(10) **Patent No.:** **US D830,968 S**
(45) **Date of Patent:** **** Oct. 16, 2018**

(54) **CHARGING PILE**

(71) Applicant: **HANGZHOU GUOKONG ELECTRIC POWER TECHNOLOGY CO., LTD.**, Hangzhou (CN)

(72) Inventors: **Jianhua Wang**, Hangzhou (CN); **Daken Wang**, Hangzhou (CN)

(73) Assignee: **HANGZHOU GUOKONG ELECTRIC POWER TECHNOLOGY CO., LTD.**, Hangzhou (CN)

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

(21) Appl. No.: **29/612,268**

(22) Filed: **Jul. 31, 2017**

(51) **LOC (11) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/107**

(58) **Field of Classification Search**
USPC D13/107-110, 118-119, 184; D14/251, D14/253, 432, 434
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; H02J 2001/008; H02J 3/32; H02J 3/008; H02J 7/0027; H02J 7/0013; H02J 7/0054; H02J 7/00; H01F 38/14; H01M 2/1022; H01M 2/1055; H01M 10/44; H01M 10/46; H01M 10/425; B60L 11/182; B60L 11/1809; B60L 11/1861; B60R 16/03; H01R 13/6675
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D557,624 S * 12/2007 Coster D10/70
D561,694 S * 2/2008 Lam D13/110

D561,724 S * 2/2008 Kim D14/138 AD
D575,775 S * 8/2008 Sekine D13/137.3
D603,336 S * 11/2009 Nan D13/119
D612,831 S * 3/2010 Choi D14/138 AD
D668,220 S * 10/2012 Chu D13/107
D702,687 S * 4/2014 Chu D14/434
D702,688 S * 4/2014 Chu D14/434
D760,903 S * 7/2016 Lin D24/165
D777,331 S * 1/2017 Jayalath D14/344
D778,445 S * 2/2017 Cadio D24/169
D800,313 S * 10/2017 Chang D24/167
D812,765 S * 3/2018 Vardiman D24/200
2005/0064917 A1 * 3/2005 Peng H04M 1/021
455/575.1
2008/0171571 A1 * 7/2008 Feil G03B 17/17
455/556.1

(Continued)

Primary Examiner — Rosemary K Tarcza

Assistant Examiner — Nathaniel D. Buckner

(74) *Attorney, Agent, or Firm* — Muncy, Geissler, Olds & Lowe, P.C.

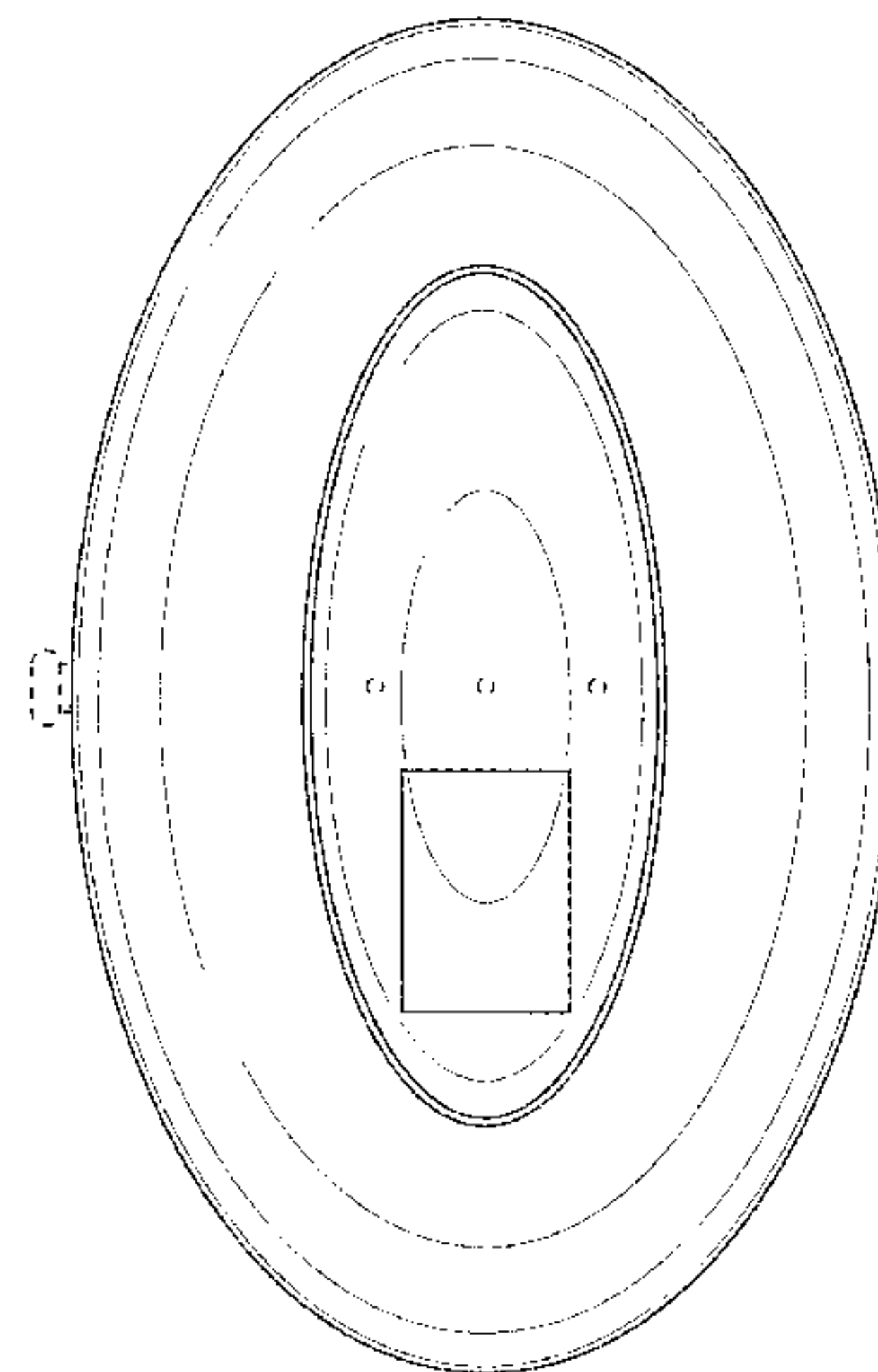
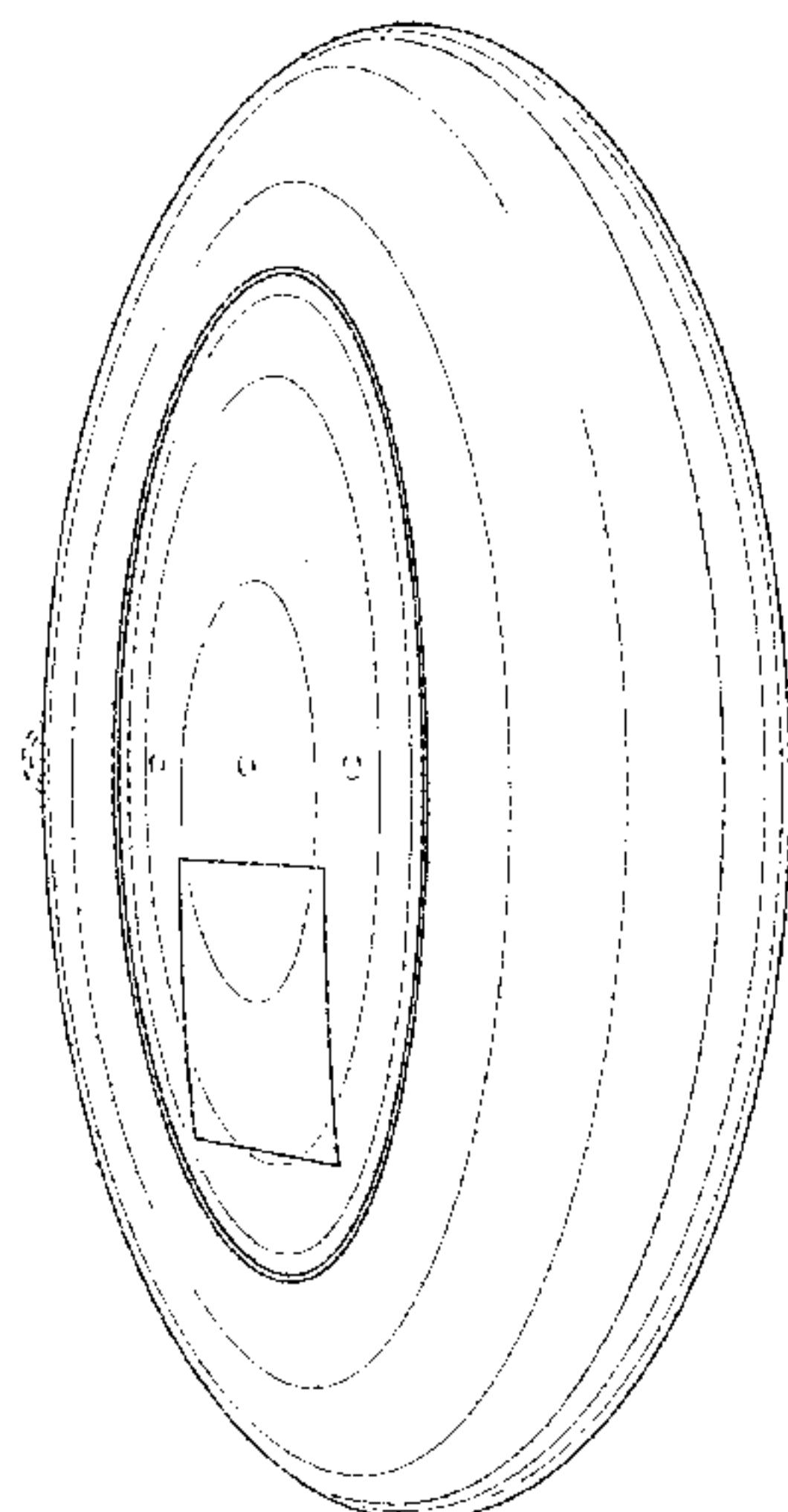
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a perspective view of a charging pile showing our new design;
FIG. 2 is a front elevational view thereof;
FIG. 3 is a rear elevational view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines are for the purpose of illustrating environmental structure and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2012/0212180 A1* 8/2012 Iida B65H 75/4476
320/109

* cited by examiner

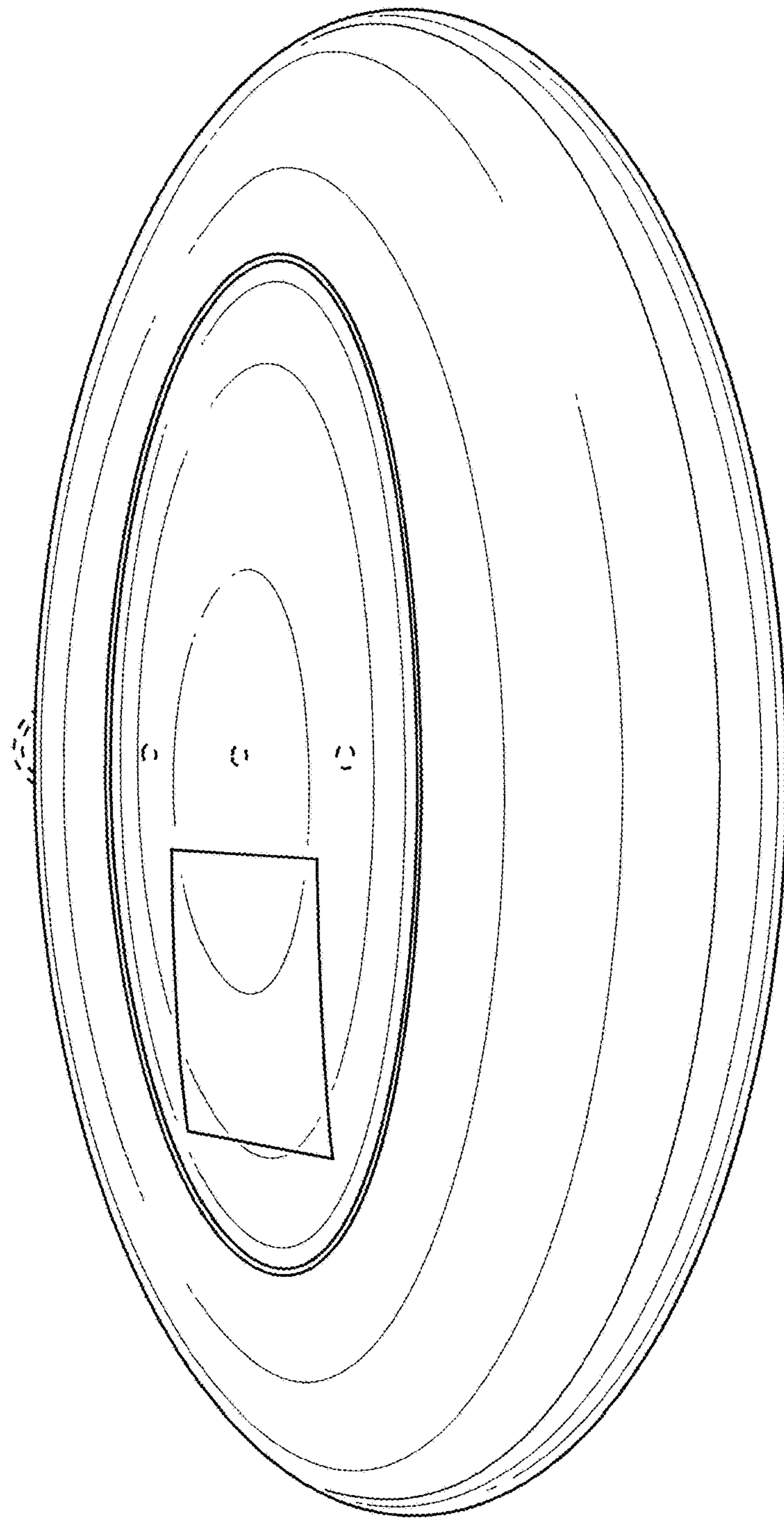


FIG. 1

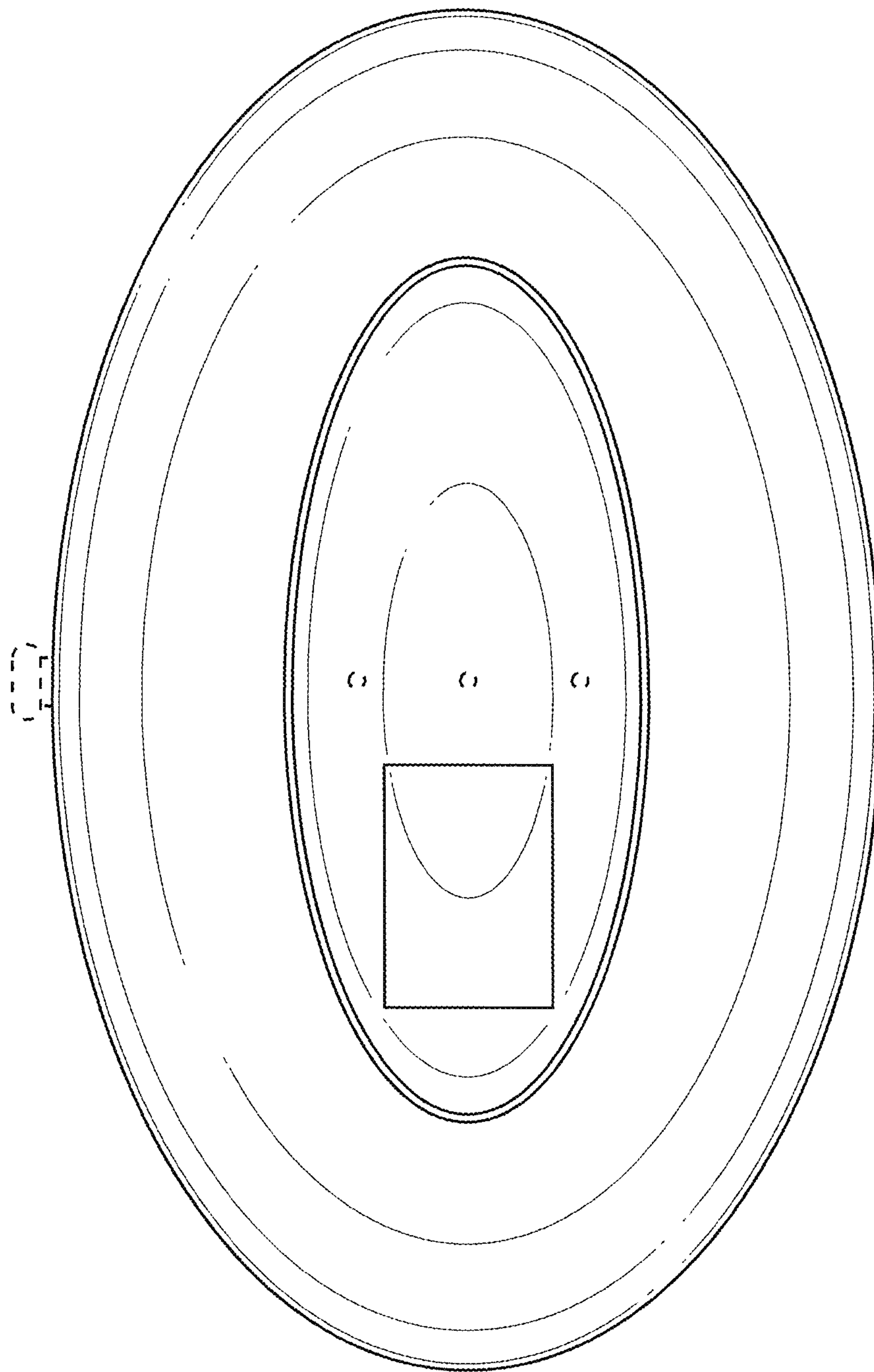


FIG. 2

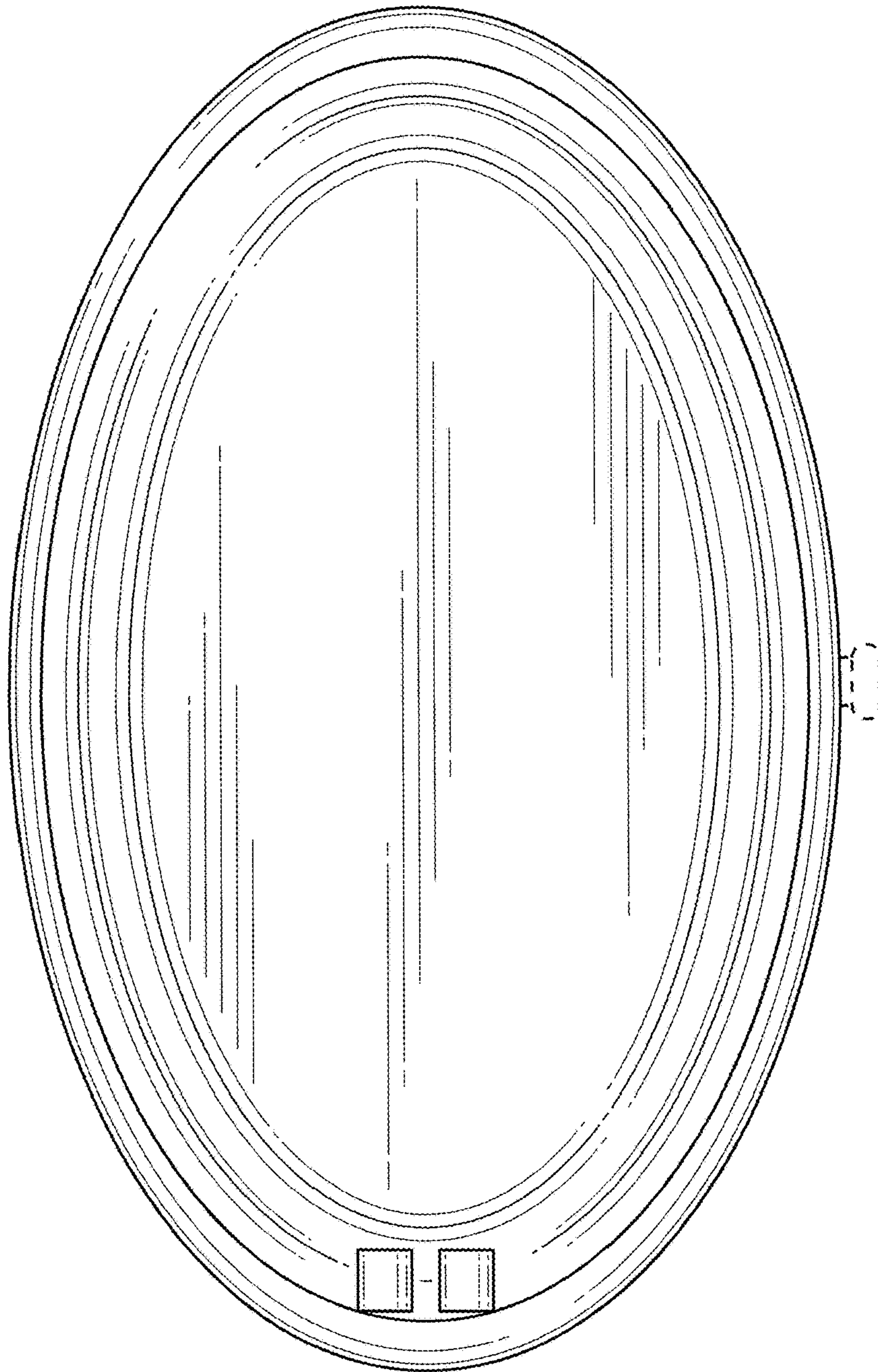


FIG. 3

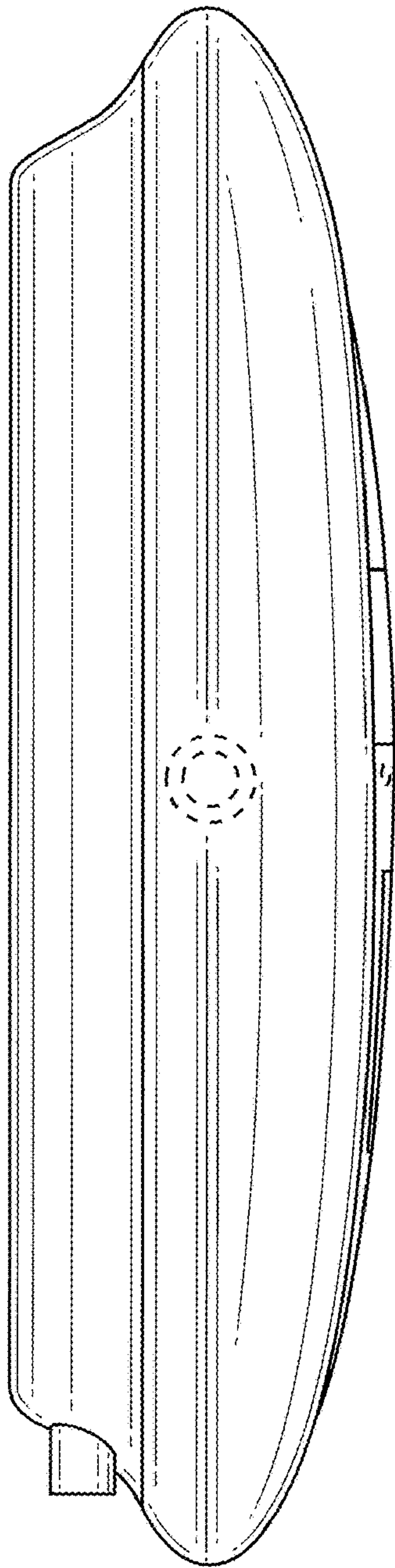


FIG. 4

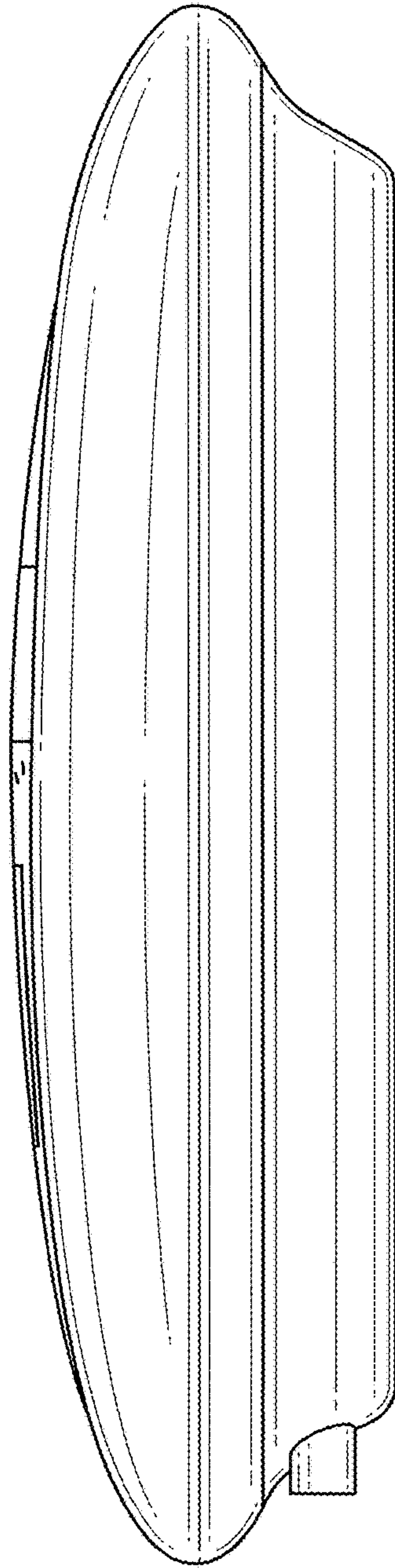


FIG. 5

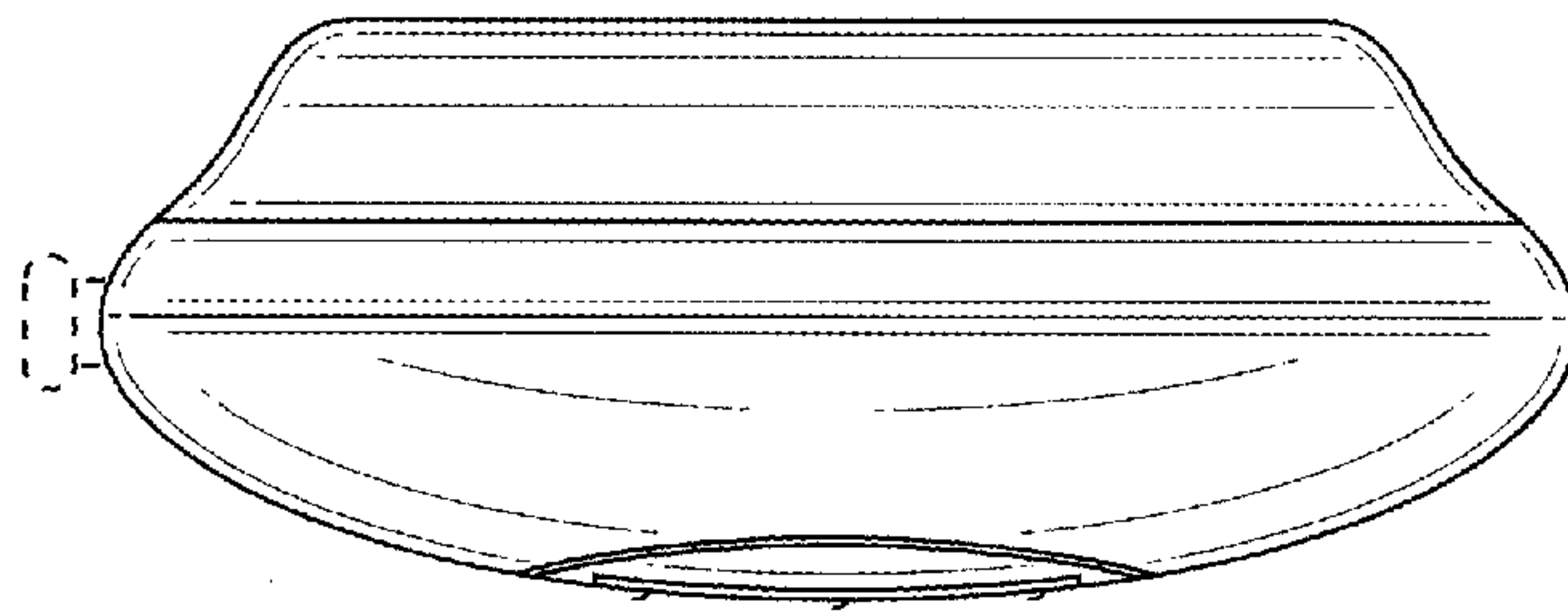


FIG. 6

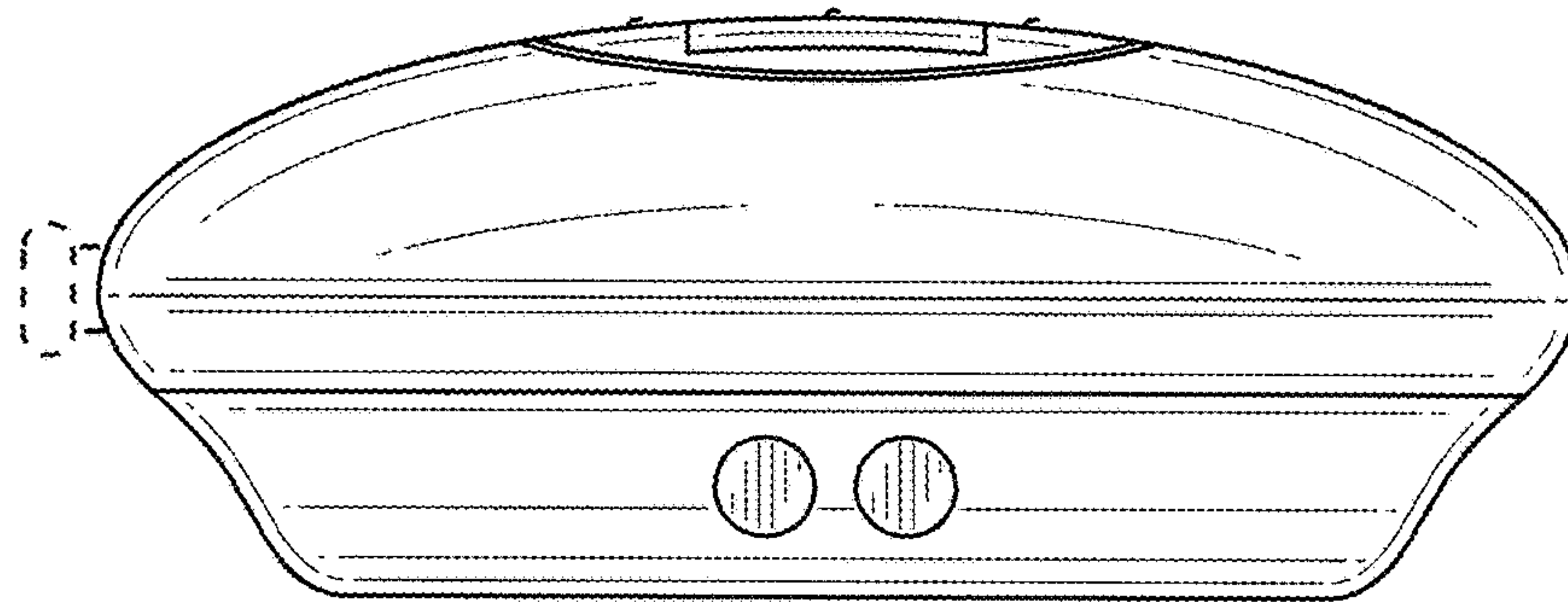


FIG. 7