



US00D826420S

(12) **United States Design Patent** (10) **Patent No.:** **US D826,420 S**
Ackermann et al. (45) **Date of Patent:** **** Aug. 21, 2018**

- (54) **NASAL STIMULATOR DEVICE**
- (71) Applicant: **Oculeve, Inc.**, South San Francisco, CA (US)
- (72) Inventors: **Douglas Michael Ackermann**, San Francisco, CA (US); **James Donald Loudin**, Houston, TX (US); **John Wardle**, San Clemente, CA (US); **John W. Lai**, San Bruno, CA (US); **Natalie Catherine Vanns**, Hiddenborough (GB)
- (73) Assignee: **Oculeve, Inc.**, South San Francisco, CA (US)
- (**) Term: **15 Years**
- (21) Appl. No.: **29/562,793**
- (22) Filed: **Apr. 28, 2016**

Related U.S. Application Data

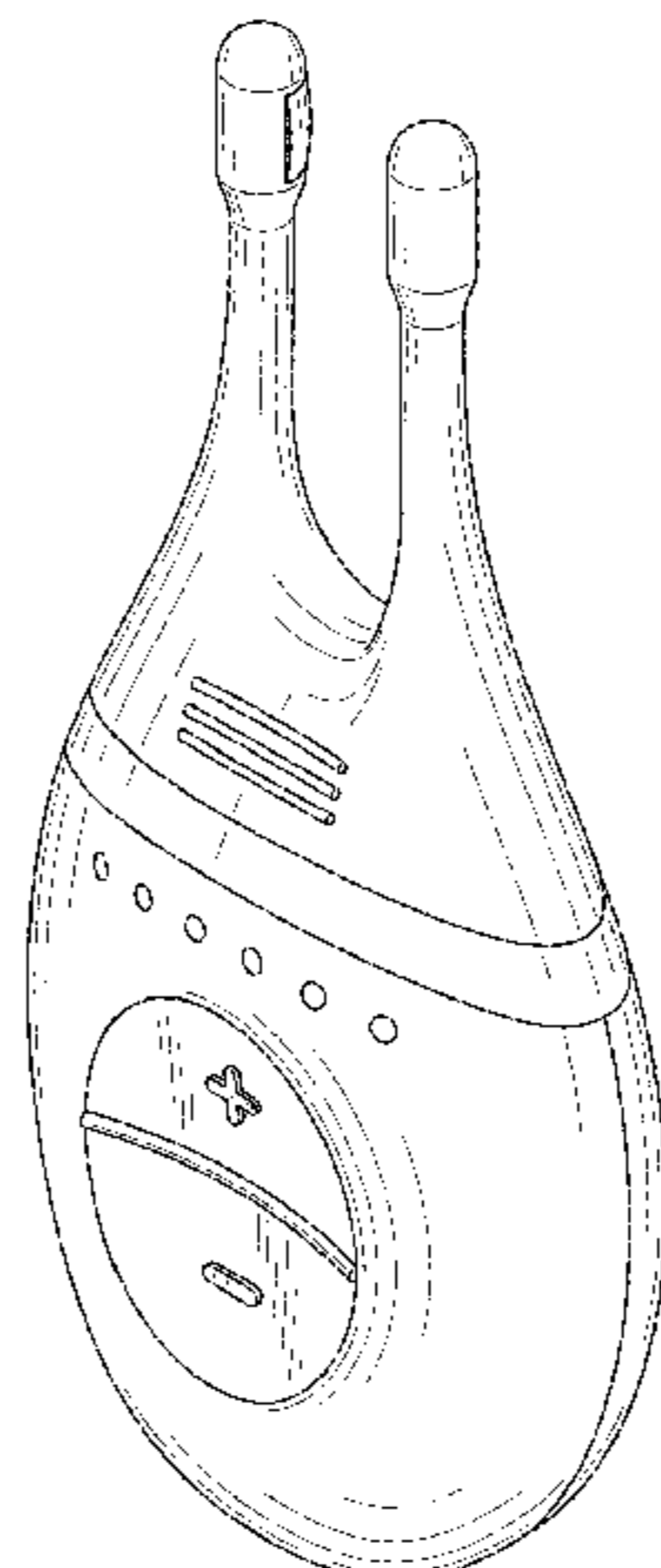
- (63) Continuation of application No. 29/488,488, filed on Apr. 18, 2014, now abandoned.
- (51) **LOC (11) Cl.** **28-03**
- (52) **U.S. Cl.**
USPC **D24/215**
- (58) **Field of Classification Search**
USPC D24/200, 211, 212, 213, 214, 215;
601/114, 120, 121, 124, 125, 130, 131,
601/134, 135, 136, 137
CPC A61H 19/30; A61H 19/32; A61H 19/34;
A61H 19/40; A61H 19/44; A61H 19/50;
A61H 19/00; A61H 2201/0153; A61H
2201/0207; A61H 2201/0263; A61H
2201/0111; A61H 2201/1253; A61H
2205/082; A61H 2205/085; A61H
15/0085
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 3,885,550 A 5/1975 MacLeod
D257,495 S 11/1980 Bros et al.
4,590,942 A 5/1986 Brenman et al.
4,681,121 A 7/1987 Kobal
4,684,362 A 8/1987 Holt

- 5,099,829 A 3/1992 Wu
5,533,470 A 7/1996 Rose
5,683,436 A 11/1997 Mendes et al.
5,713,833 A 2/1998 Milligan
6,604,528 B1 8/2003 Duncan
6,684,879 B1 2/2004 Coffee et al.
6,879,859 B1 4/2005 Boveja
7,117,033 B2 10/2006 Shalev et al.
7,228,184 B2 6/2007 Heath
7,650,186 B2 1/2010 Hastings et al.
D616,557 S 5/2010 Roehrig
7,805,200 B2 9/2010 Kast et al.
7,873,421 B2 1/2011 Karell
8,080,047 B2 12/2011 Yu
8,251,983 B2 8/2012 Larson et al.
D681,839 S 5/2013 Nathanson
8,494,641 B2 7/2013 Boling et al.
D692,571 S * 10/2013 Luzon et al. D24/215
D696,411 S * 12/2013 Imboden et al. D24/215
D696,412 S * 12/2013 Imboden et al. D24/215
D697,222 S * 1/2014 Imboden et al. D24/215
D699,367 S * 2/2014 Lee et al. D24/215
8,676,324 B2 3/2014 Simon et al.
8,728,136 B2 5/2014 Feldman
D712,565 S * 9/2014 Guang D24/215
8,936,594 B2 1/2015 Wolf et al.
8,986,301 B2 3/2015 Wolf et al.
8,996,137 B2 3/2015 Ackermann et al.
2002/0188331 A1 12/2002 Fang et al.
2004/0098036 A1 5/2004 Bergersen
2004/0220644 A1 11/2004 Shalev et al.
2006/0095108 A1 5/2006 Chowdhury et al.
2006/0107958 A1 5/2006 Sleeper
2006/0271024 A1 11/2006 Gertner et al.
2007/0150034 A1 6/2007 Rooney et al.
2007/0219600 A1 9/2007 Gertner et al.
2007/0248930 A1 10/2007 Brawn
2008/0009897 A1 1/2008 Duran Von Arx
2008/0033512 A1 2/2008 Yu
2008/0109054 A1 5/2008 Hastings et al.
2009/0012573 A1 1/2009 Karell
2009/0018582 A1 1/2009 Ishikawa et al.
2009/0101139 A1 4/2009 Karell
2009/0281596 A1 11/2009 King et al.
2010/0249763 A1 9/2010 Larson et al.
2010/0288275 A1 11/2010 Djupesland et al.
2010/0318159 A1 12/2010 Aghassian et al.
2011/0021975 A1 1/2011 Covello
2011/0077551 A1 3/2011 Videbaek
2011/0202121 A1 8/2011 Wen
2011/0276107 A1 11/2011 Simon et al.
2011/0282251 A1 11/2011 Baker et al.
2012/0130398 A1 5/2012 Ackermann et al.



2012/0197338	A1	8/2012	Su et al.
2012/0232615	A1	9/2012	Barolat et al.
2012/0232618	A1	9/2012	Feldman
2012/0234332	A1	9/2012	Shantha
2012/0316557	A1	12/2012	Sartor et al.
2012/0323227	A1	12/2012	Wolf et al.
2012/0323232	A1	12/2012	Wolf et al.
2013/0006326	A1	1/2013	Ackermann et al.
2013/0138451	A1	5/2013	Shiono et al.
2013/0253387	A1	9/2013	Bonutti et al.
2014/0081353	A1	3/2014	Cook et al.
2014/0088463	A1	3/2014	Wolf et al.
2014/0316396	A1	10/2014	Wolf et al.

FOREIGN PATENT DOCUMENTS

EM	2102681-0001	10/2012
EM	2199000-0001	3/2013
GB	2 129 690 B	3/1987
WO	WO-2005/030025 A2	4/2005
WO	WO-2005/030025 A3	4/2005
WO	2011/011373 A1	1/2011
WO	2013/165697 A1	11/2013

OTHER PUBLICATIONS

Office Action received for Canadian Patent Application No. 159163, dated Feb. 6, 2015, 2 pages.

Office Action Received for Mexican Patent Application No., dated Sep. 22, 2015, 6 pages (3 pages of English Translation and 3 pages of Official copy). 78347.

Notice of Allowance received for U.S. Appl. No. 29/488,488, dated Jan. 29, 2016, 10 pages.

* cited by examiner

Primary Examiner — Sandra Snapp
(74) *Attorney, Agent, or Firm* — Mintz Levin Cohn Ferris Glovsky and Popeo, P.C.

(57) **CLAIM**

The ornamental design for a nasal stimulator device, as shown and described.

DESCRIPTION

FIG. 1 is a front perspective view of a first embodiment of a nasal stimulator device showing the new design;
 FIG. 2 is a front elevation view thereof;
 FIG. 3 is a rear elevation view thereof;
 FIG. 4 is a right side elevation view thereof;
 FIG. 5 is a left side elevation view thereof;
 FIG. 6 is a top plan view thereof;
 FIG. 7 is a bottom plan view thereof;
 FIG. 8 is a front perspective view of a second embodiment of a nasal stimulator device showing the new design;
 FIG. 9 is a front elevation view thereof;
 FIG. 10 is a rear elevation view thereof;
 FIG. 11 is a right side elevation view thereof;
 FIG. 12 is a left side elevation view thereof;
 FIG. 13 is a top plan view thereof;
 FIG. 14 is a bottom plan view thereof;
 FIG. 15 is a front perspective view of a third embodiment of a nasal stimulator device showing the new design;
 FIG. 16 is a front elevation view thereof;
 FIG. 17 is a rear elevation view thereof;
 FIG. 18 is a right side elevation view thereof;

FIG. 19 is a left side elevation view thereof;
 FIG. 20 is a top plan view thereof;
 FIG. 21 is a bottom plan view thereof;
 FIG. 22 is a front perspective view of a fourth embodiment of a nasal stimulator device showing the new design;
 FIG. 23 is a front elevation view thereof;
 FIG. 24 is a rear elevation view thereof;
 FIG. 25 is a right side elevation view thereof;
 FIG. 26 is a left side elevation view thereof;
 FIG. 27 is a top plan view thereof;
 FIG. 28 is a bottom plan view thereof;
 FIG. 29 is a front perspective view of a fifth embodiment of a nasal stimulator device showing the new design;
 FIG. 30 is a front elevation view thereof;
 FIG. 31 is a rear elevation view thereof;
 FIG. 32 is a right side elevation view thereof;
 FIG. 33 is a left side elevation view thereof;
 FIG. 34 is a top plan view thereof;
 FIG. 35 is a bottom plan view thereof;
 FIG. 36 is a front perspective view of a sixth embodiment of a nasal stimulator device showing the new design;
 FIG. 37 is a front elevation view thereof;
 FIG. 38 is a rear elevation view thereof;
 FIG. 39 is a right side elevation view thereof;
 FIG. 40 is a left side elevation view thereof;
 FIG. 41 is a top plan view thereof;
 FIG. 42 is a bottom plan view thereof;
 FIG. 43 is a front perspective view of a seventh embodiment of a nasal stimulator device showing the new design;
 FIG. 44 is a front elevation view thereof;
 FIG. 45 is a rear elevation view thereof;
 FIG. 46 is a right side elevation view thereof;
 FIG. 47 is a left side elevation view thereof;
 FIG. 48 is a top plan view thereof;
 FIG. 49 is a bottom plan view thereof;
 FIG. 50 is a front perspective view of an eighth embodiment of a nasal stimulator device showing the new design;
 FIG. 51 is a front elevation view thereof;
 FIG. 52 is a rear elevation view thereof;
 FIG. 53 is a right side elevation view thereof;
 FIG. 54 is a left side elevation view thereof;
 FIG. 55 is a top plan view thereof;
 FIG. 56 is a bottom plan view thereof;
 FIG. 57 is a front perspective view of a ninth embodiment of a nasal stimulator device showing the new design;
 FIG. 58 is a front elevation view thereof;
 FIG. 59 is a rear elevation view thereof;
 FIG. 60 is a right side elevation view thereof;
 FIG. 61 is a left side elevation view thereof;
 FIG. 62 is a top plan view thereof;
 FIG. 63 is a bottom plan view thereof;
 FIG. 64 is a front perspective view of a tenth embodiment of a nasal stimulator device showing the new design;
 FIG. 65 is a front elevation view thereof;
 FIG. 66 is a rear elevation view thereof;
 FIG. 67 is a right side elevation view thereof;
 FIG. 68 is a left side elevation view thereof;
 FIG. 69 is a top plan view thereof; and,
 FIG. 70 is a bottom plan view thereof.
 The broken lines which define the bounds of the claimed design form no part thereof.

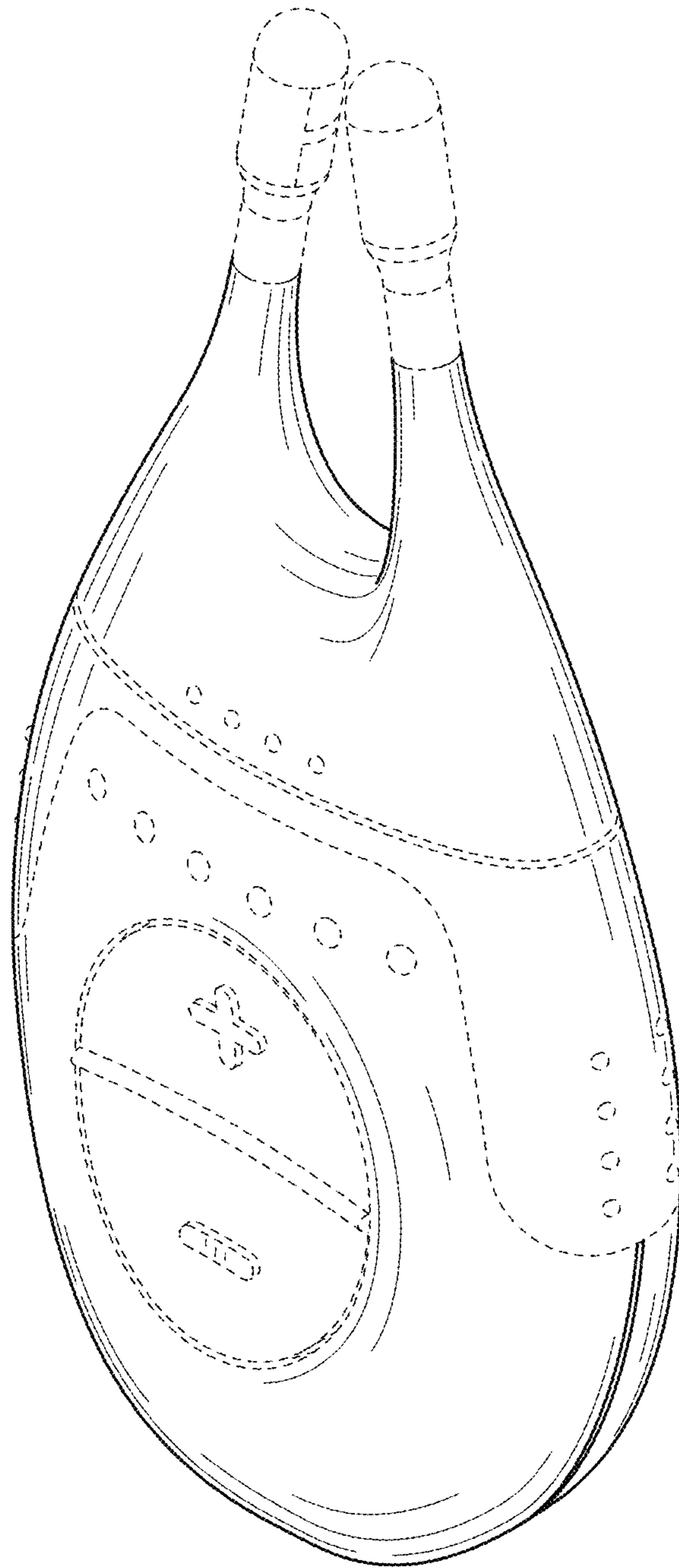


FIG. 1

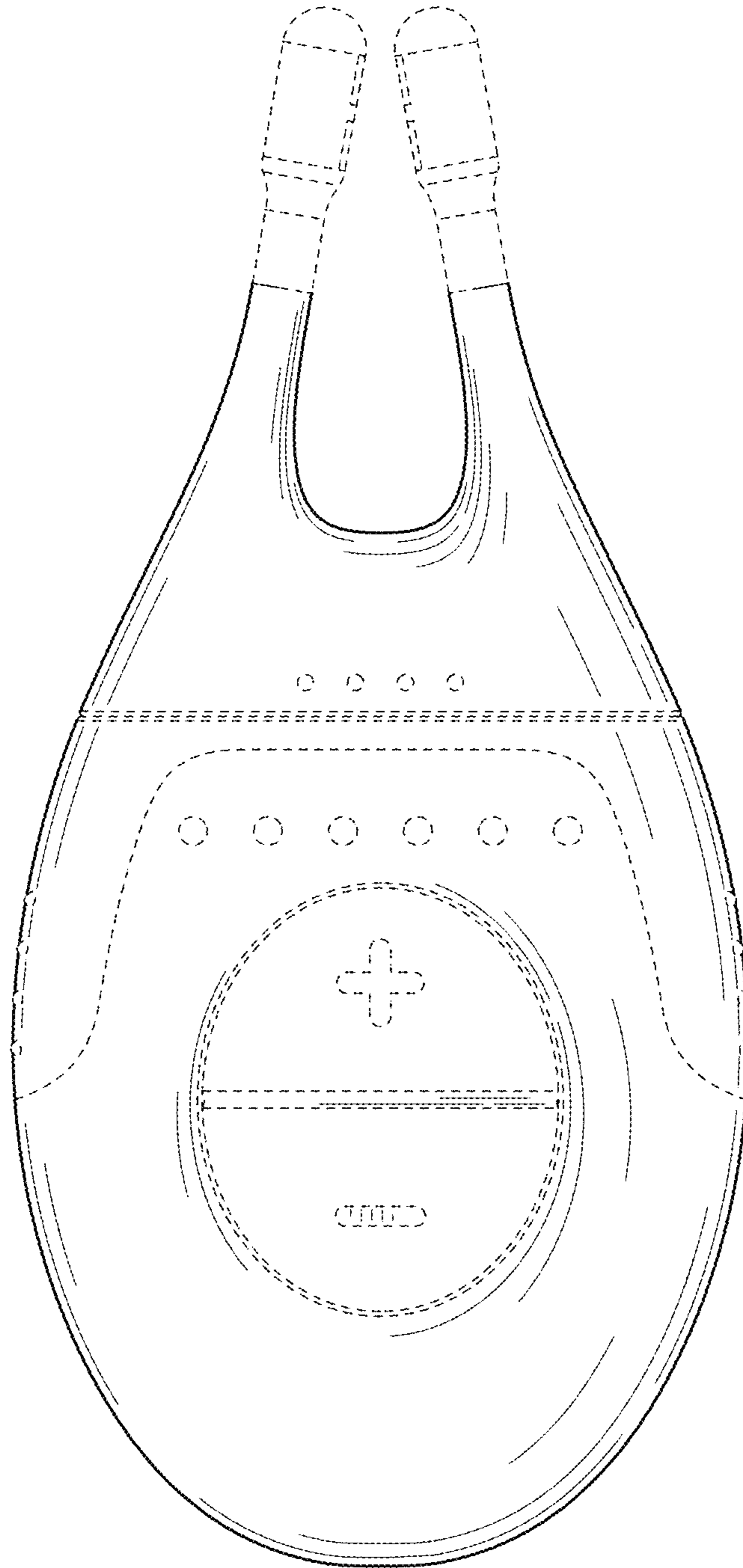


FIG. 2

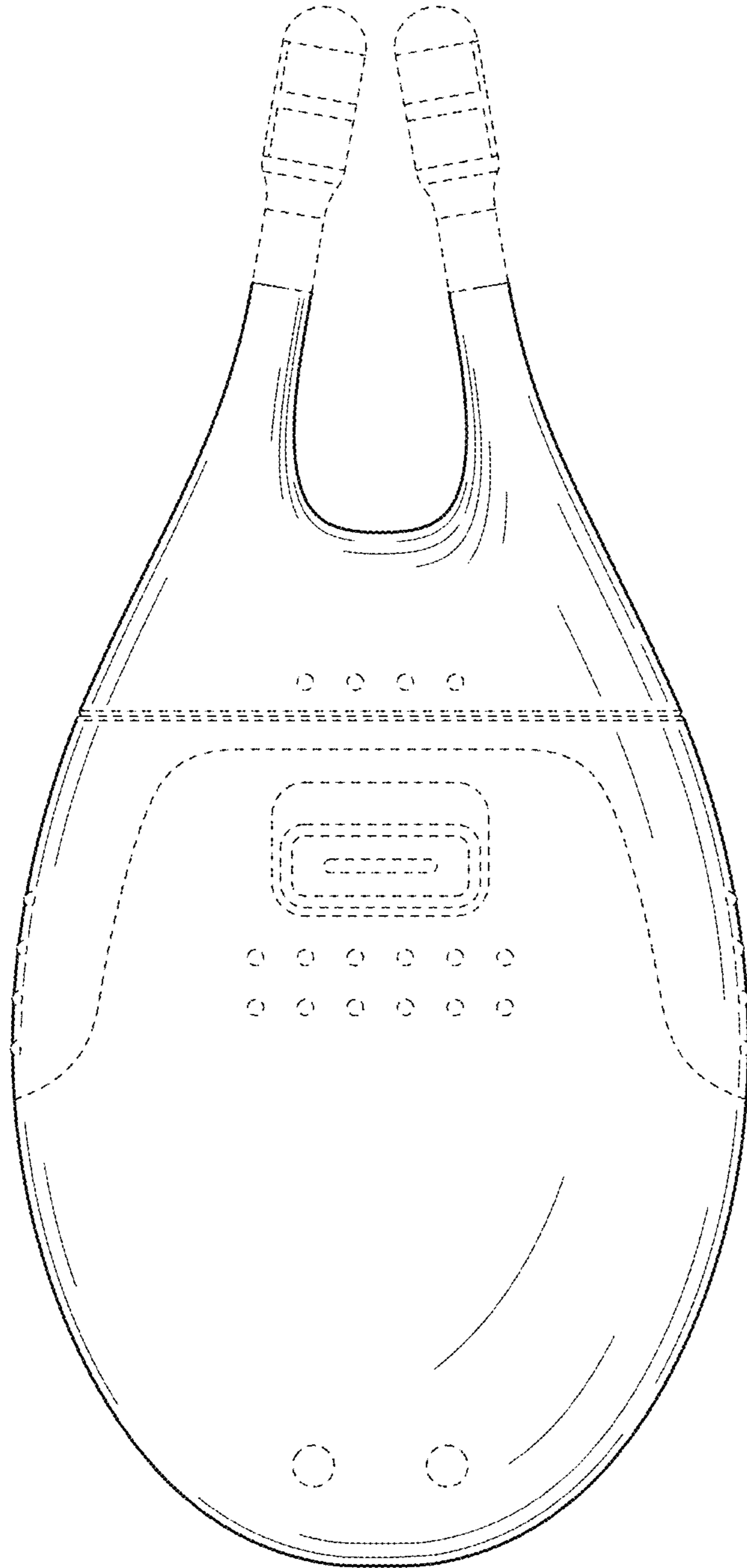


FIG. 3

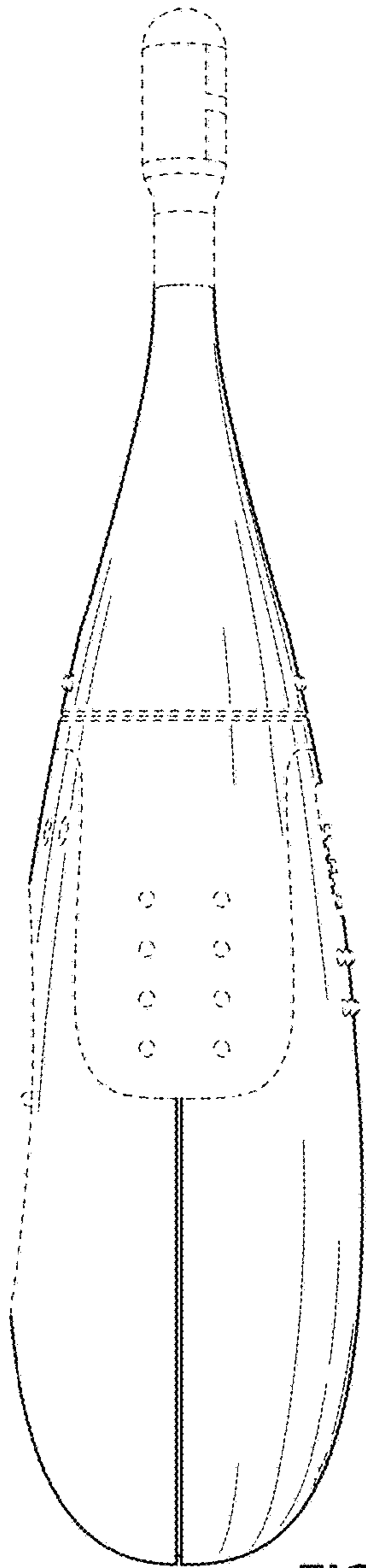


FIG. 4

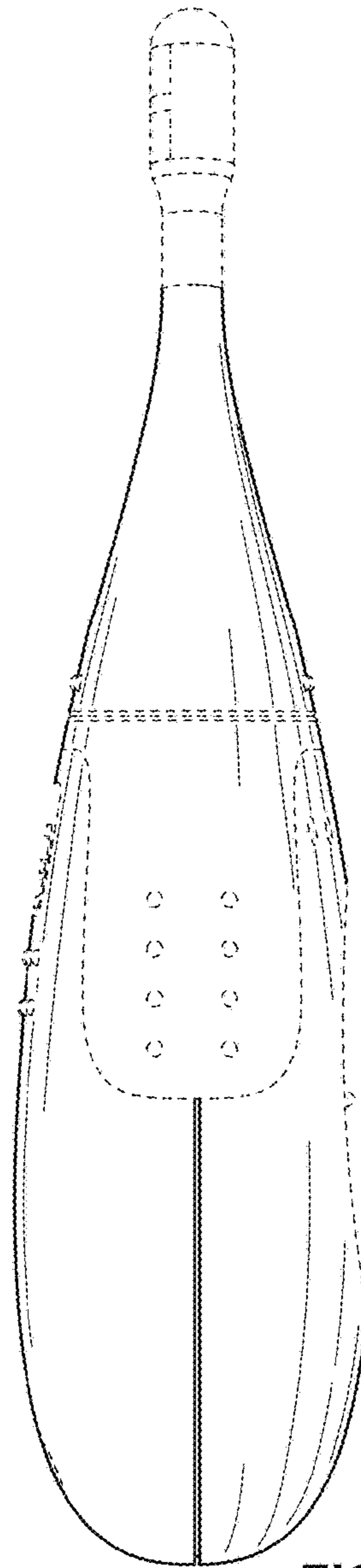


FIG. 5

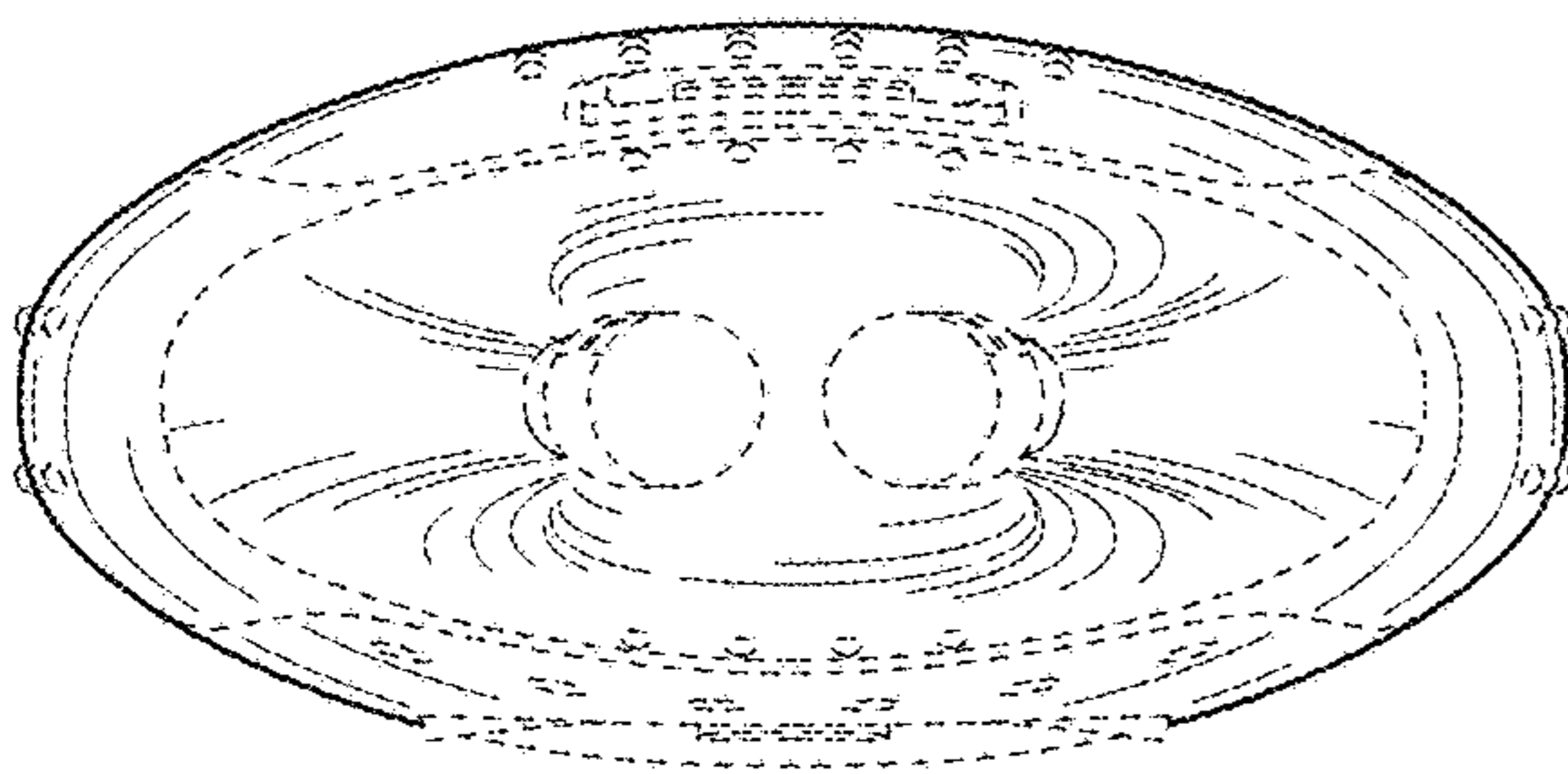


FIG. 6

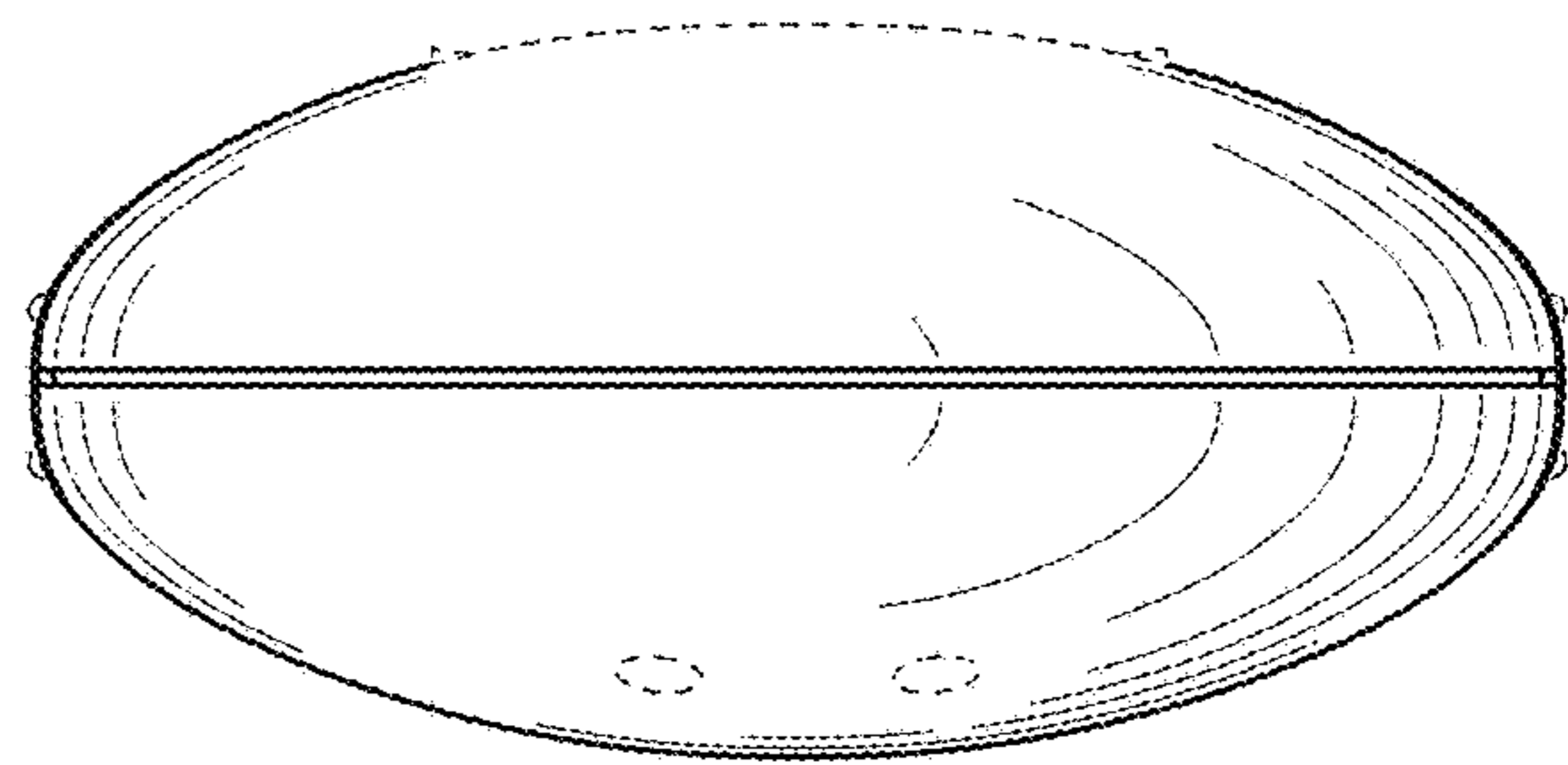


FIG. 7

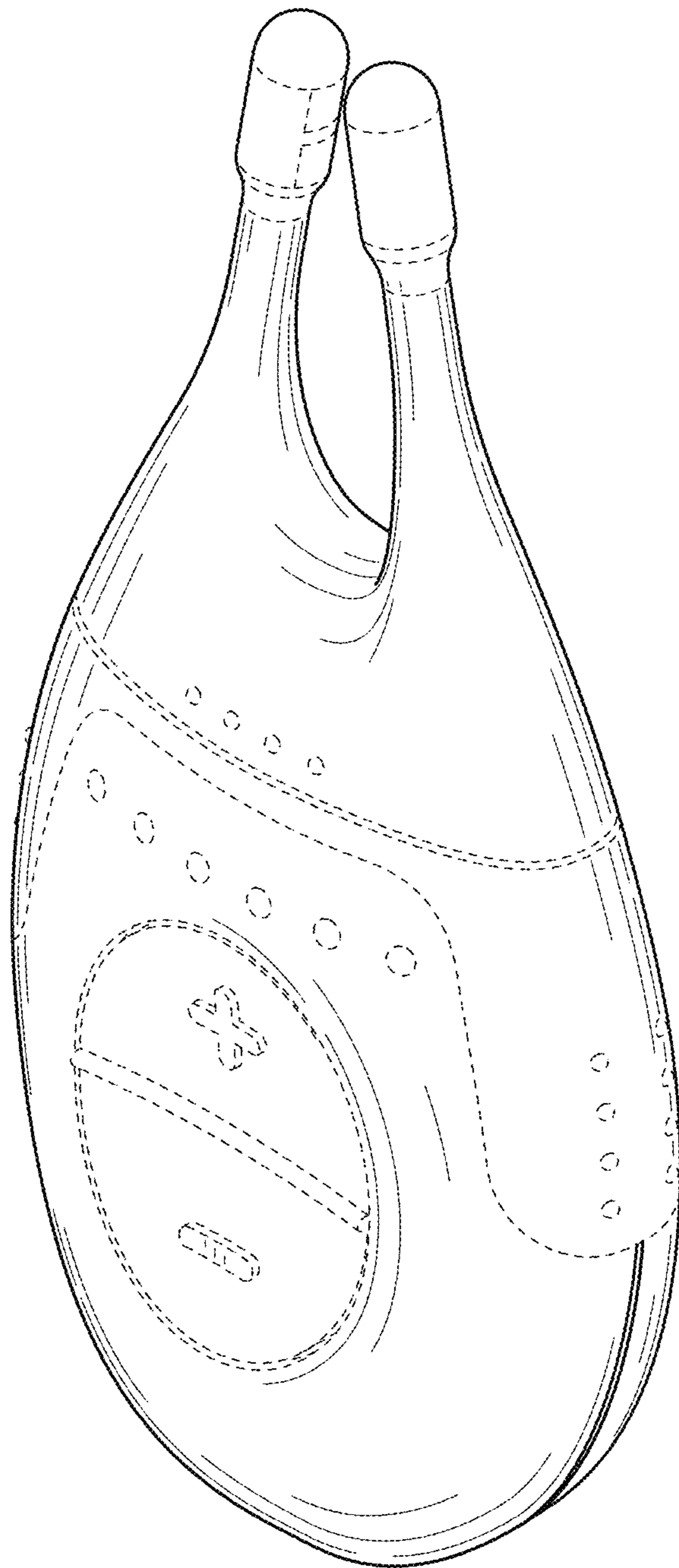


FIG. 8

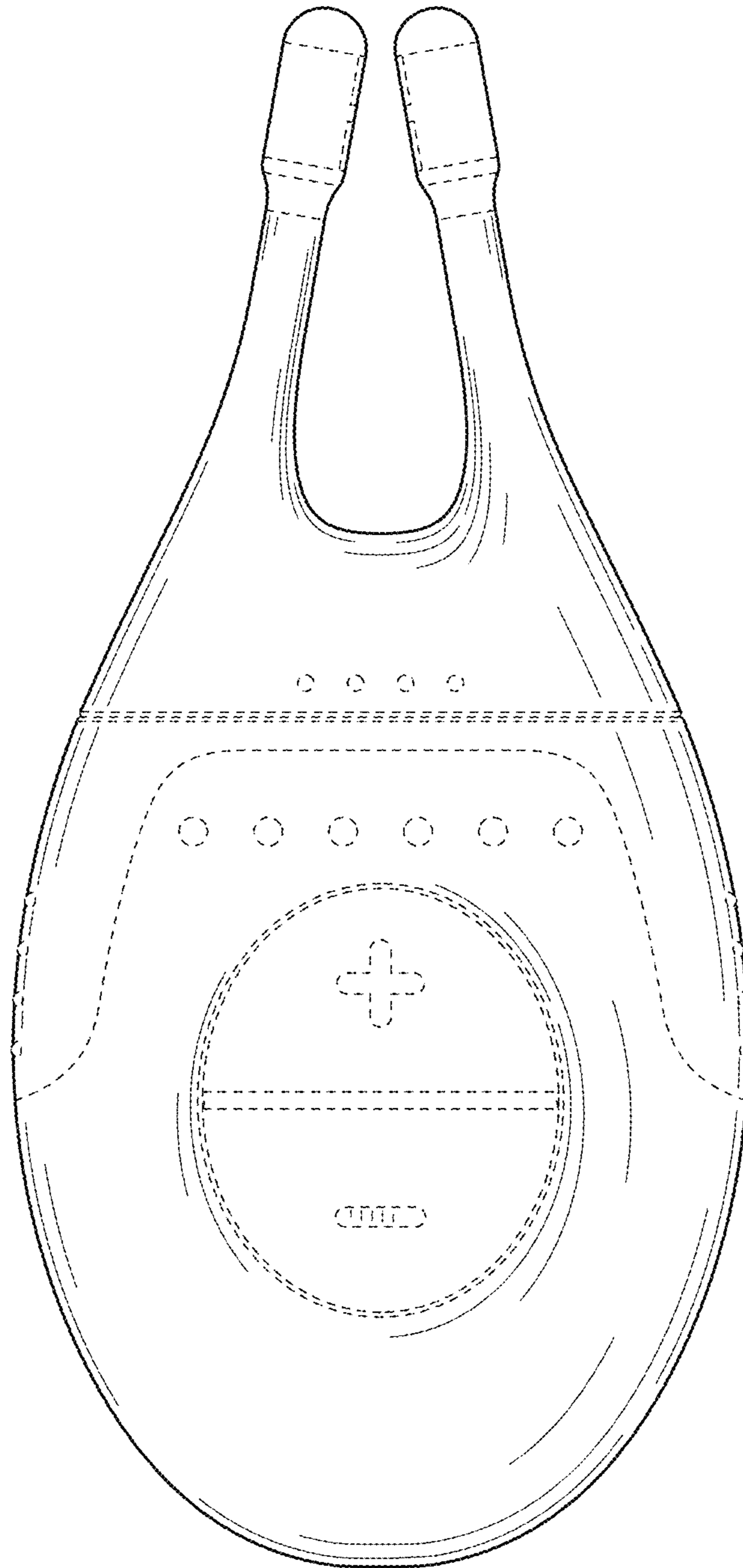


FIG. 9

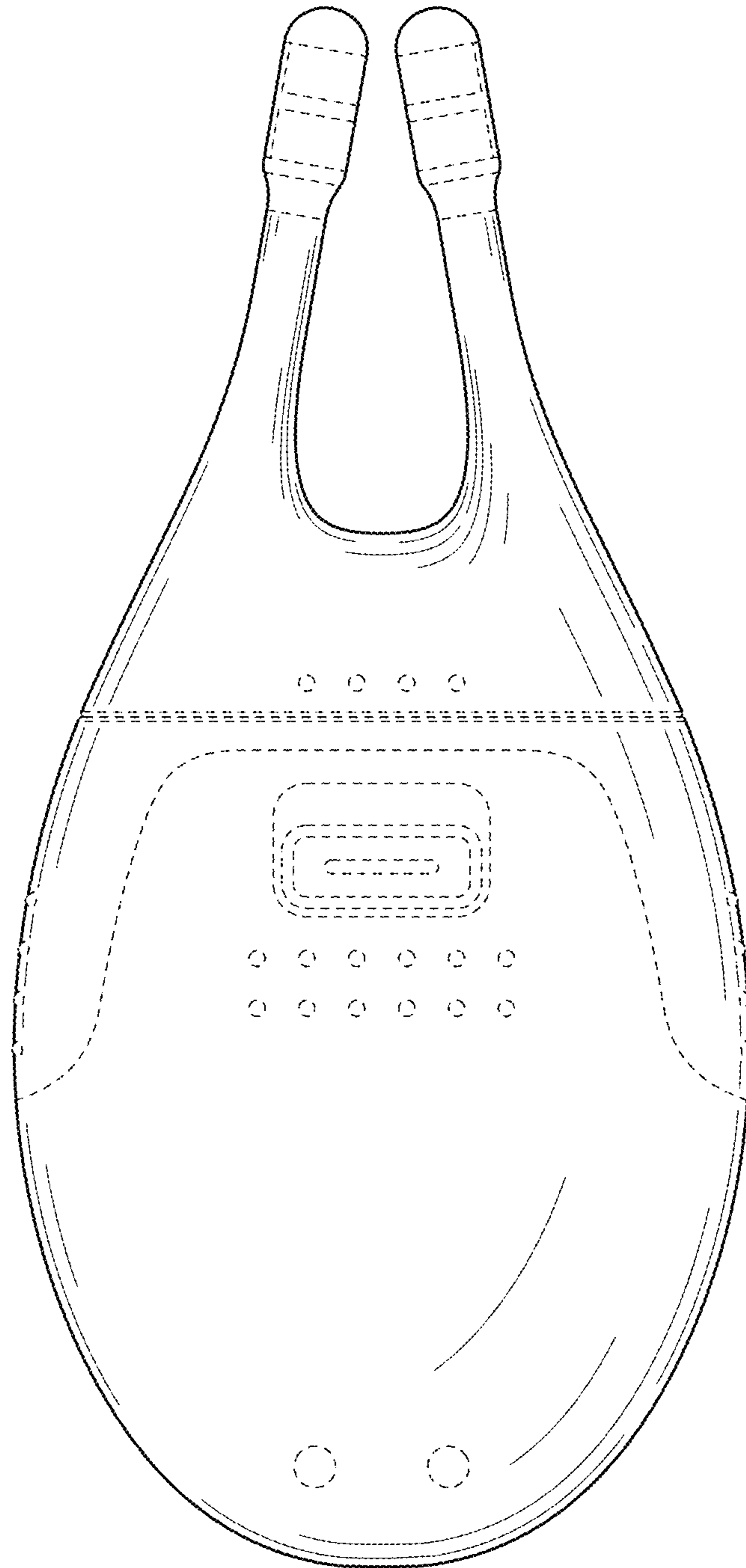


FIG. 10

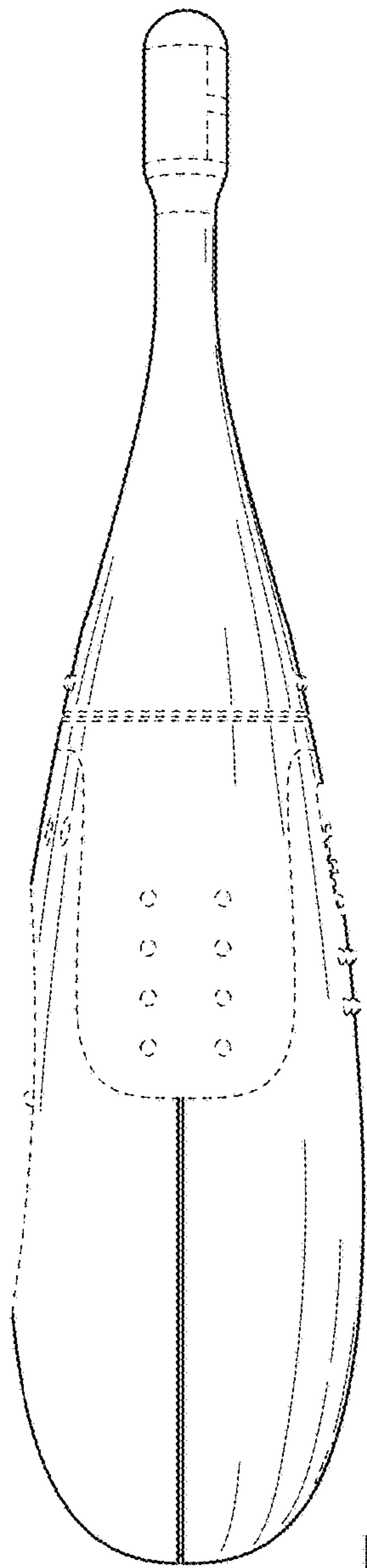


FIG. 11

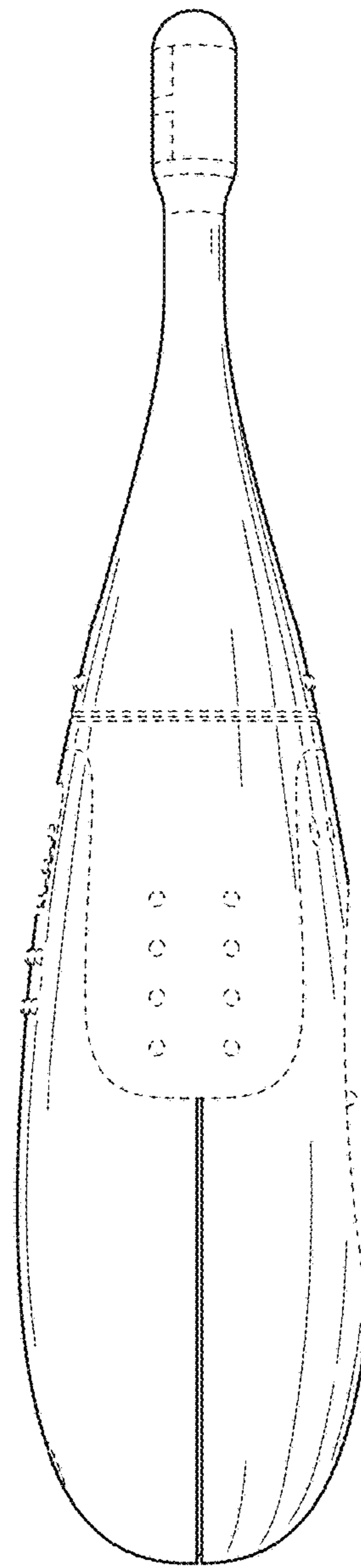


FIG. 12

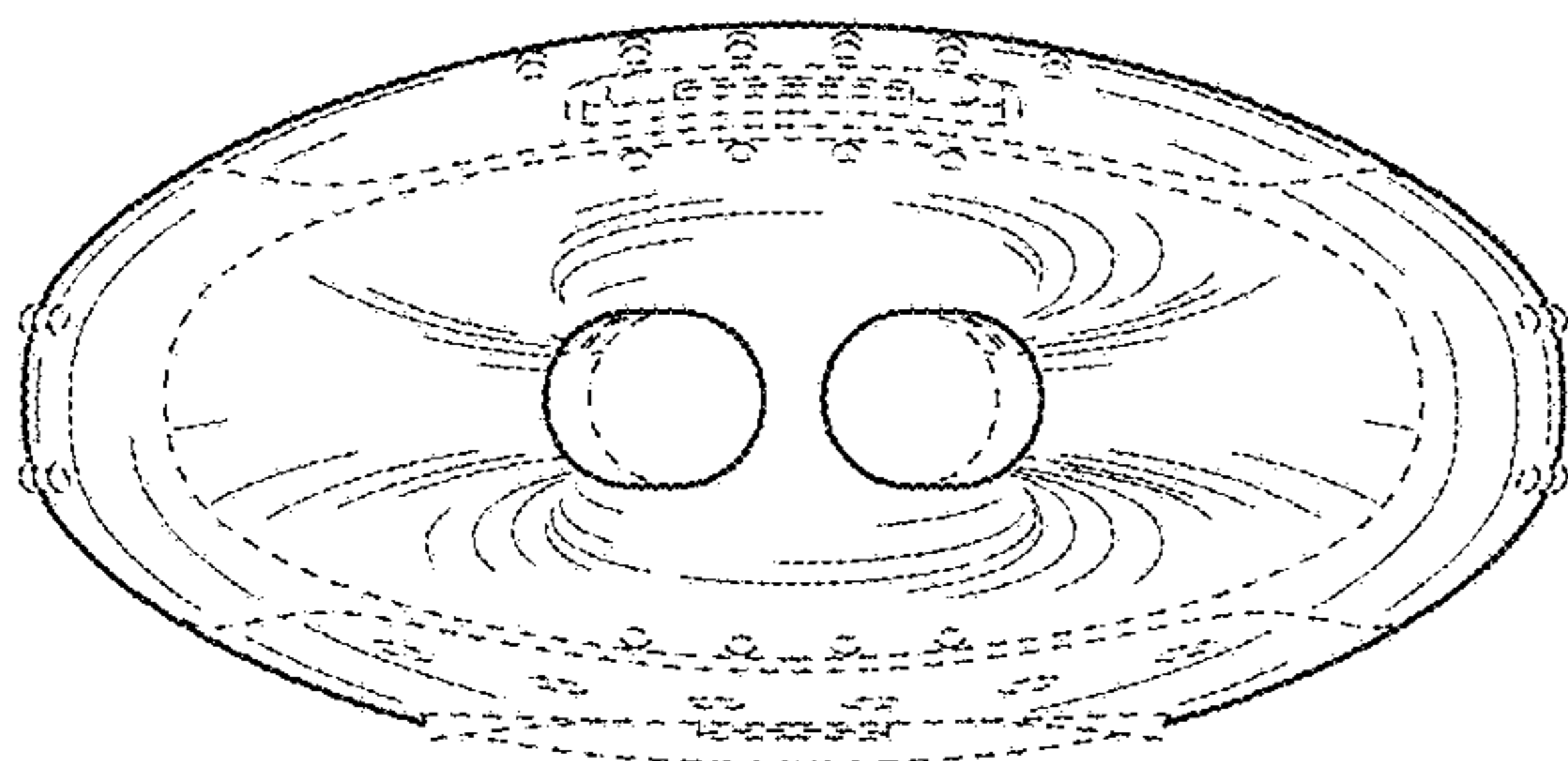


FIG. 13

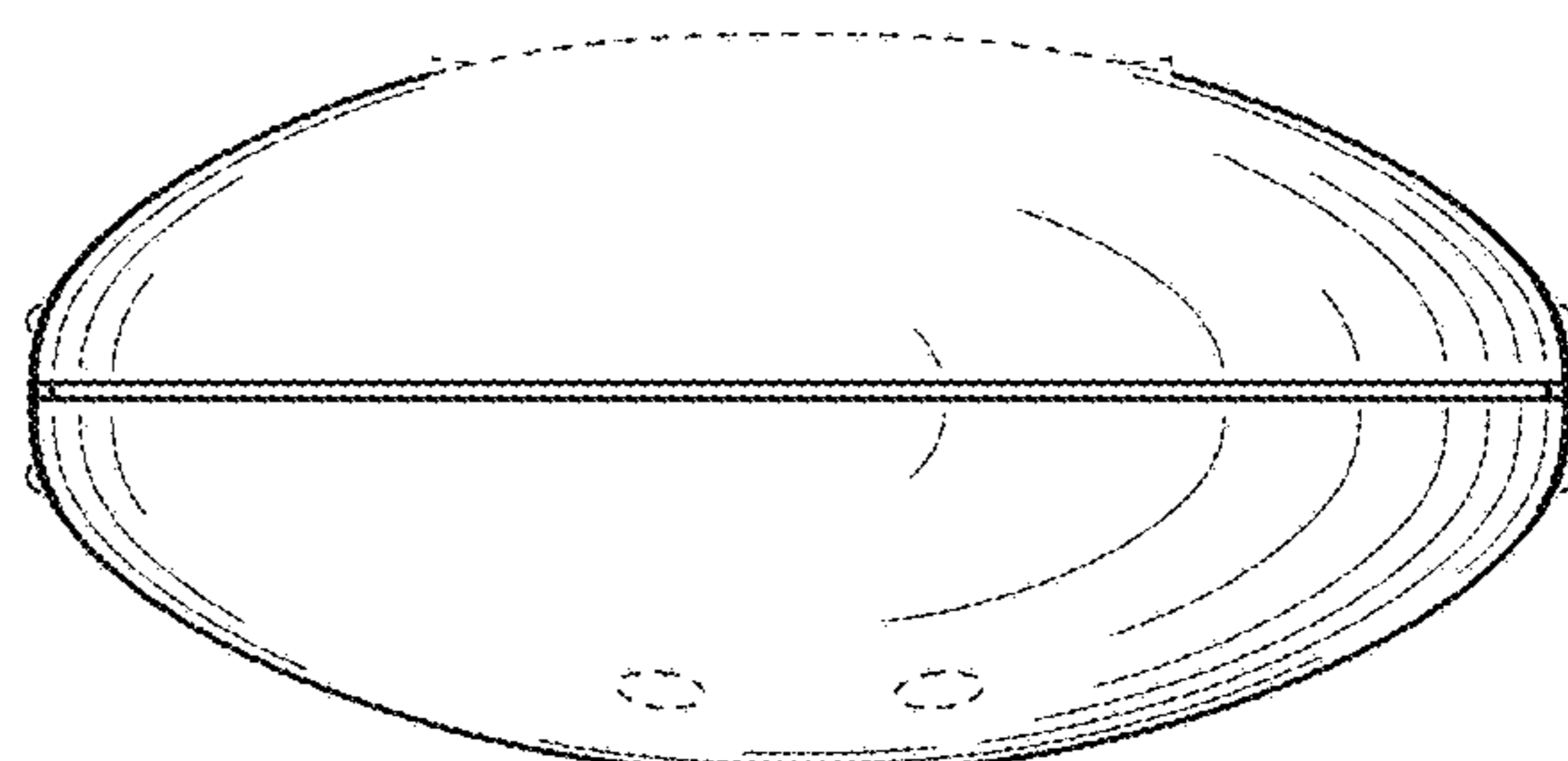


FIG. 14

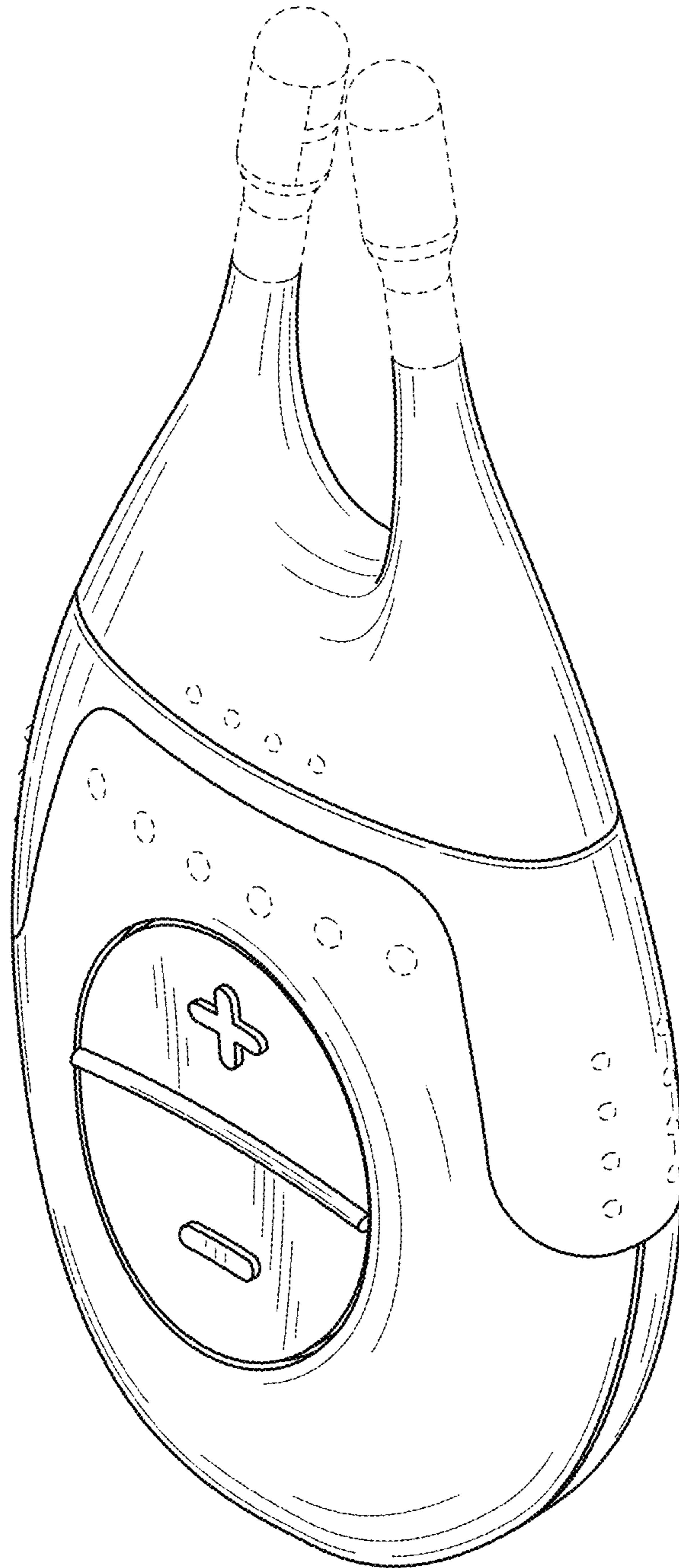


FIG. 15

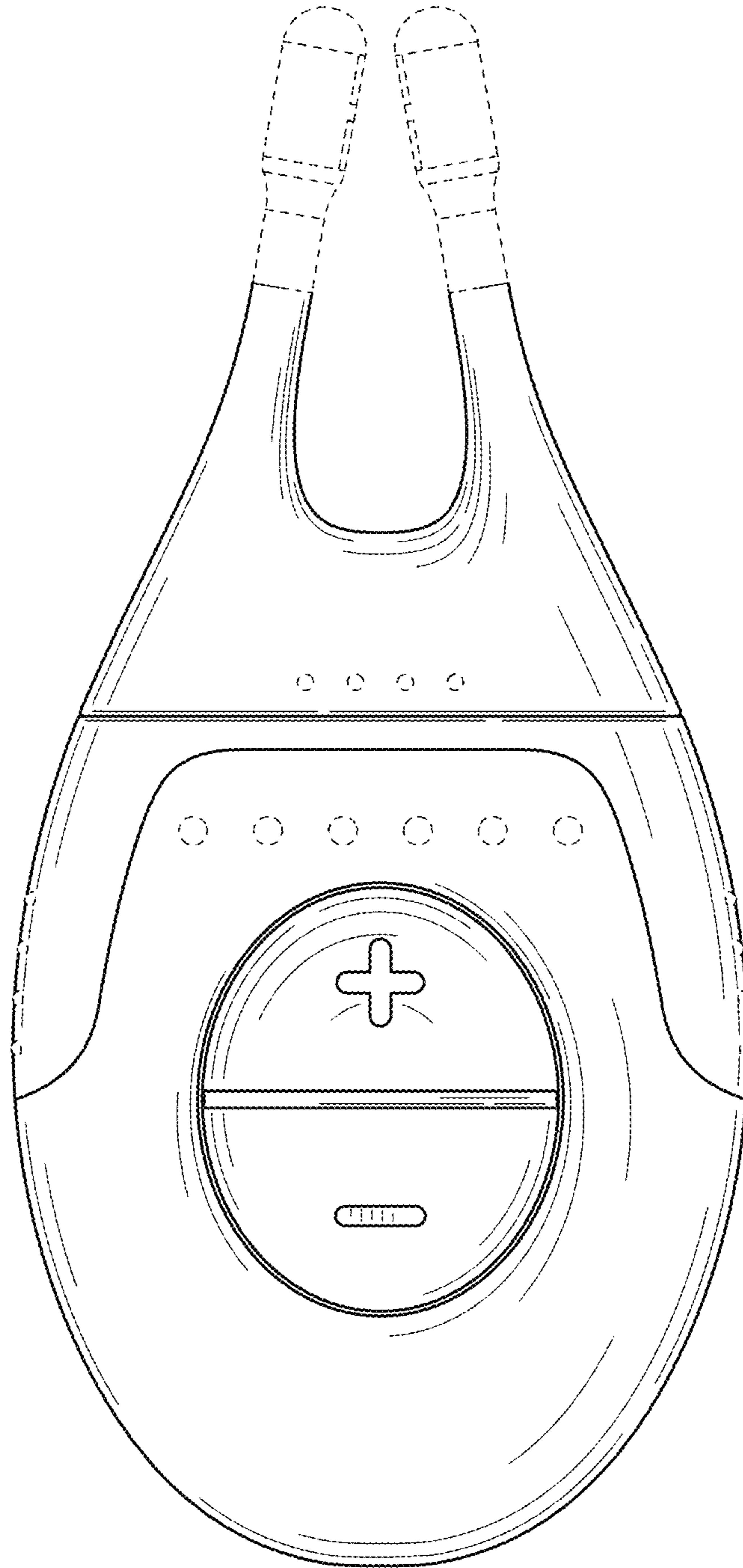


FIG. 16

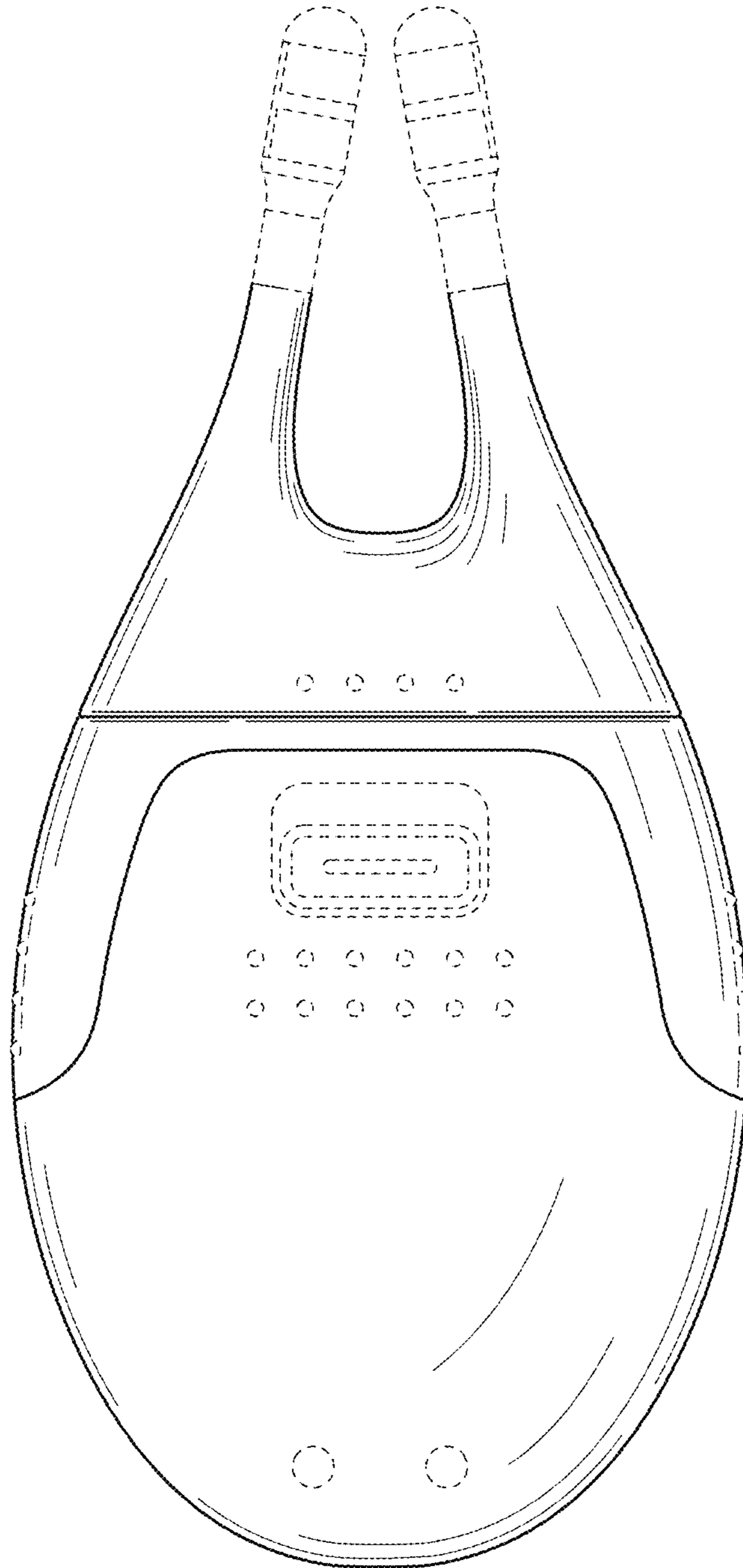


FIG. 17

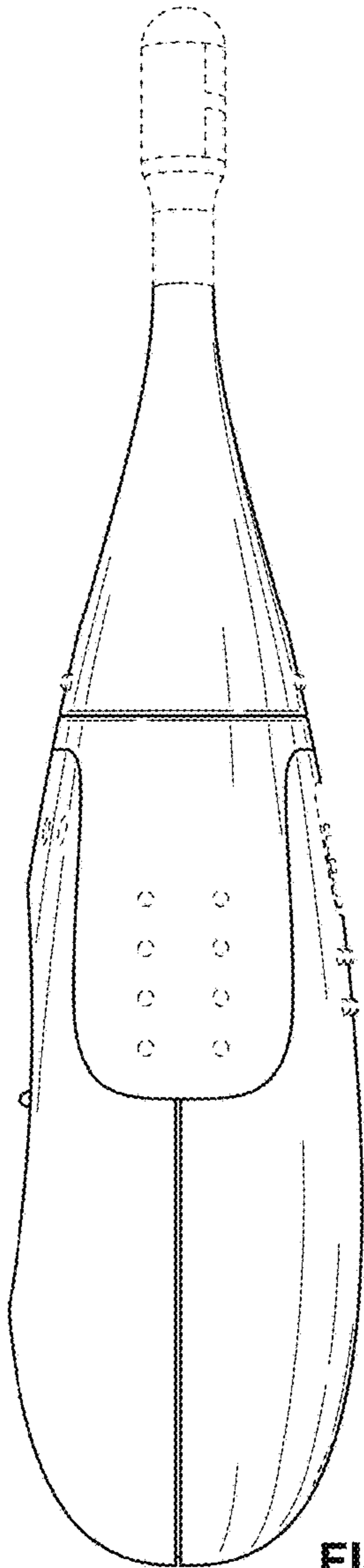


FIG. 18

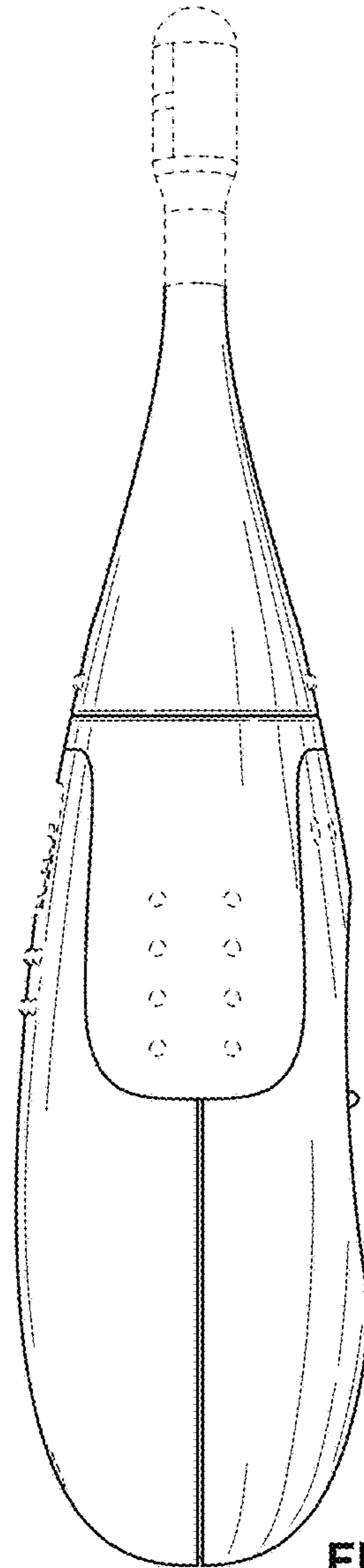


FIG. 19

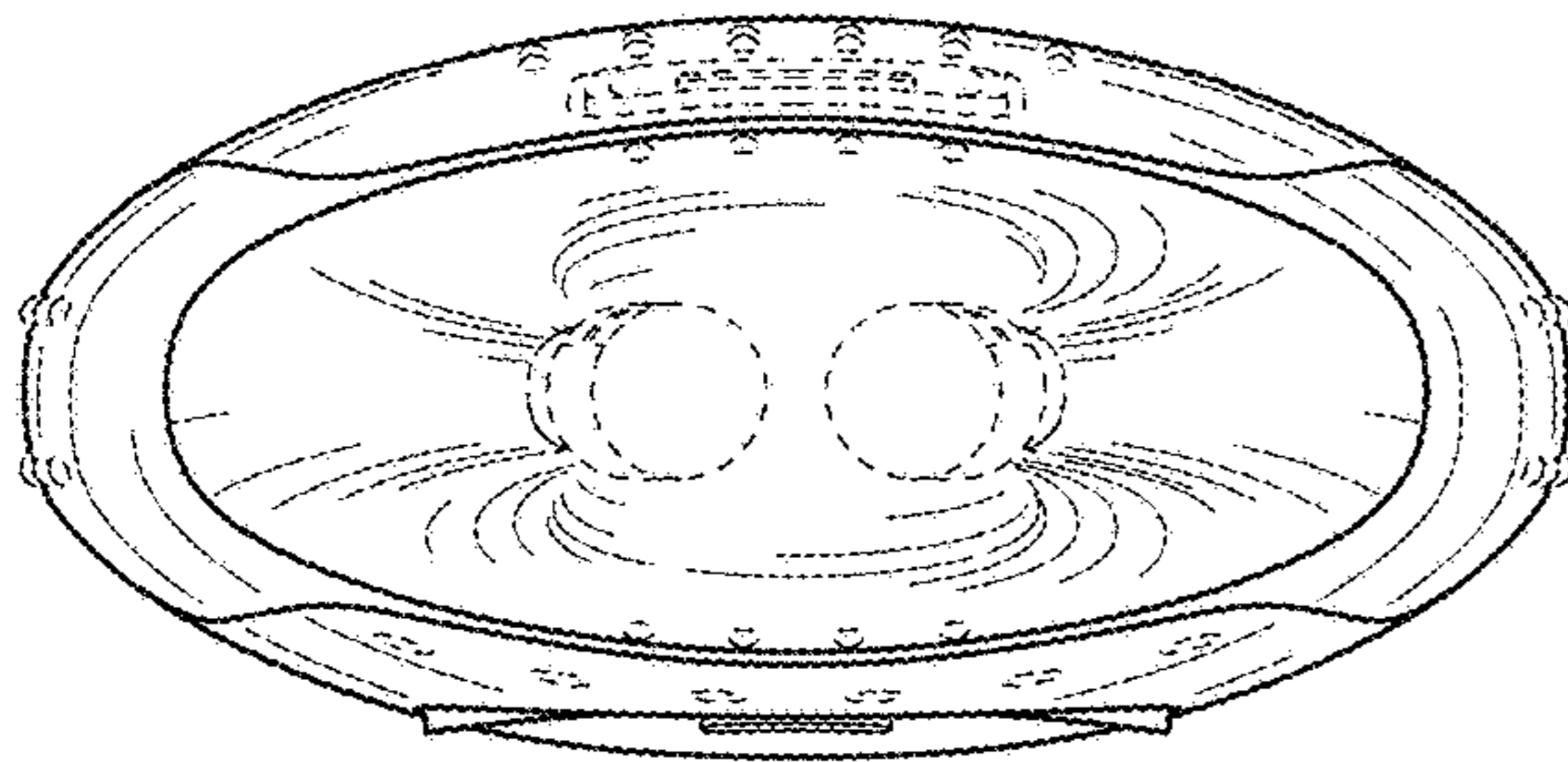


FIG. 20

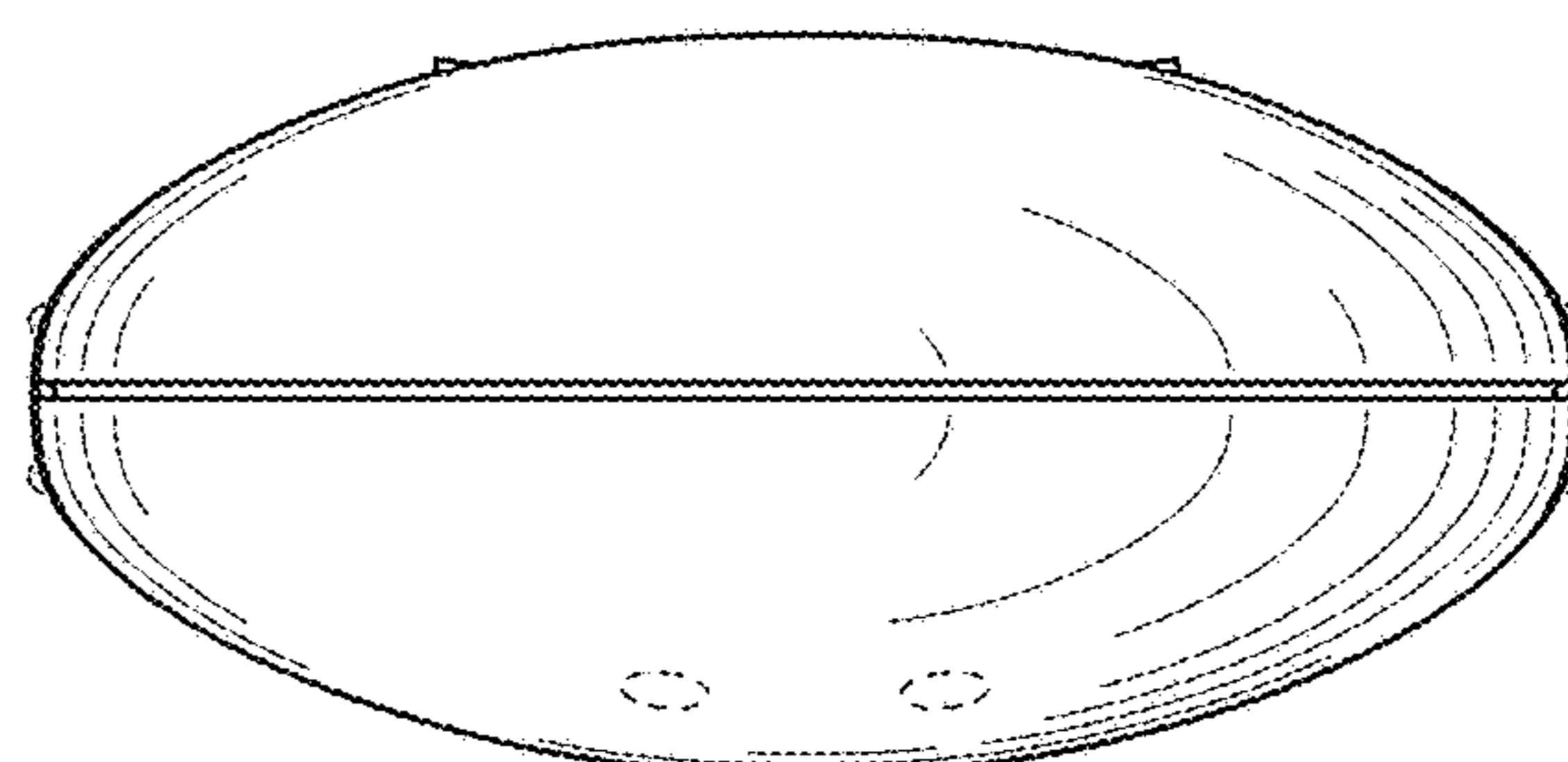


FIG. 21

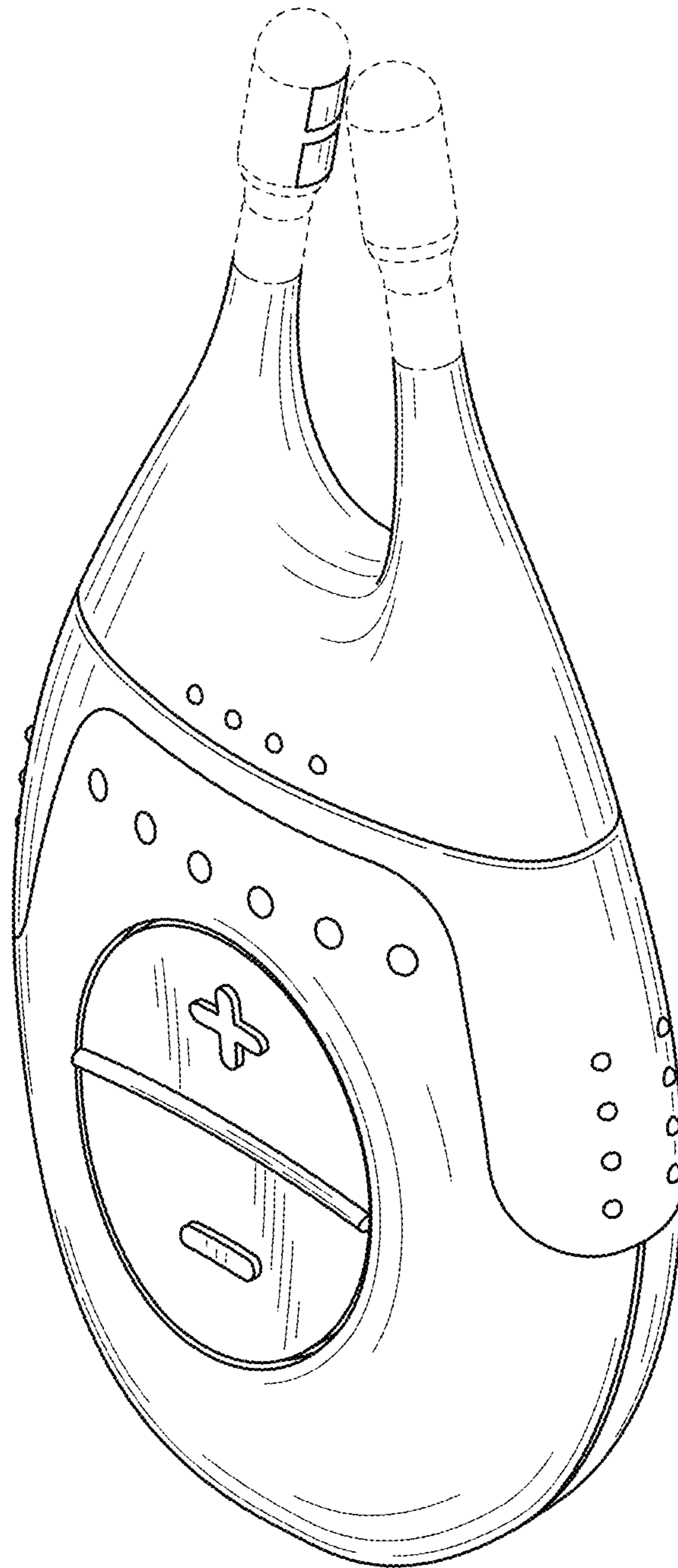


FIG. 22

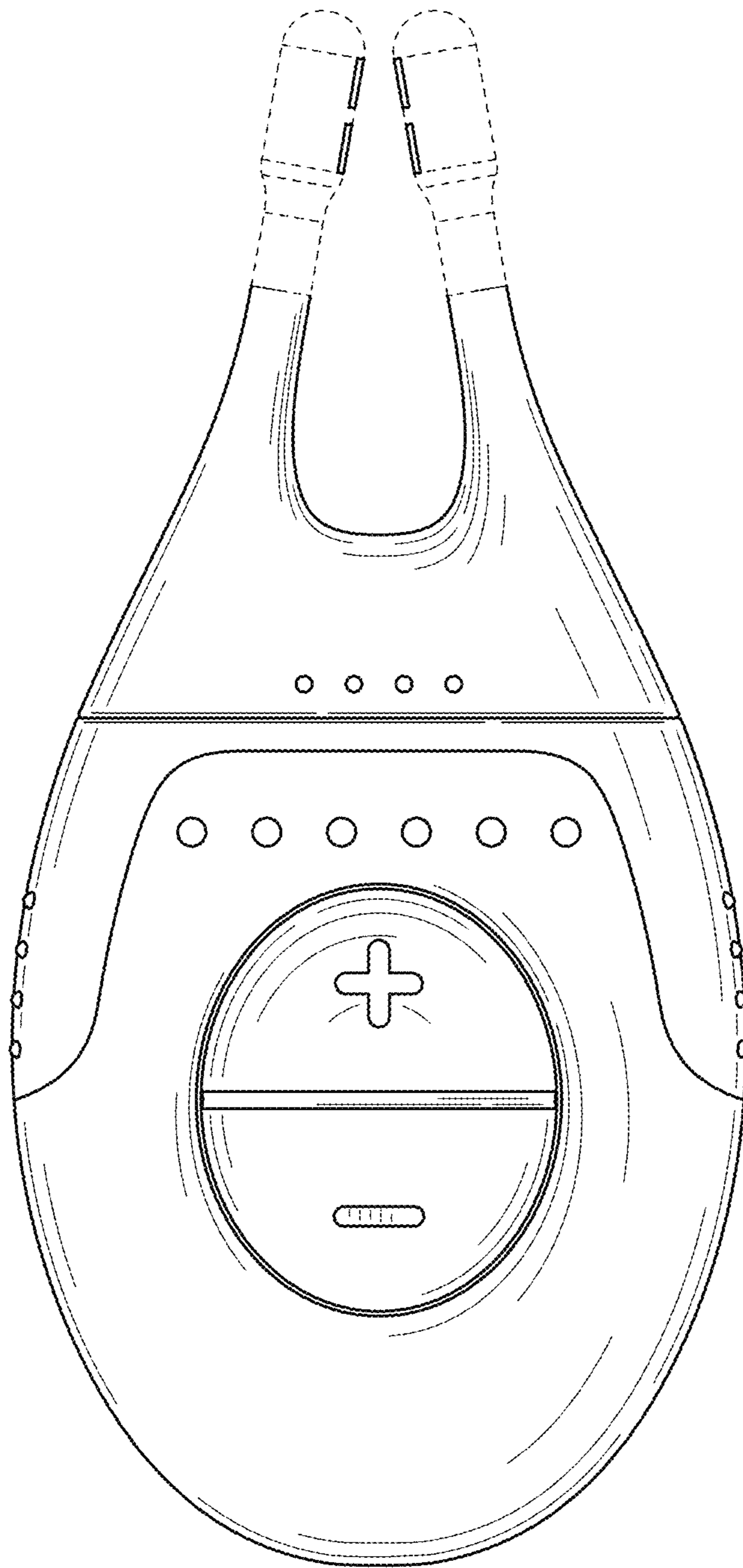


FIG. 23

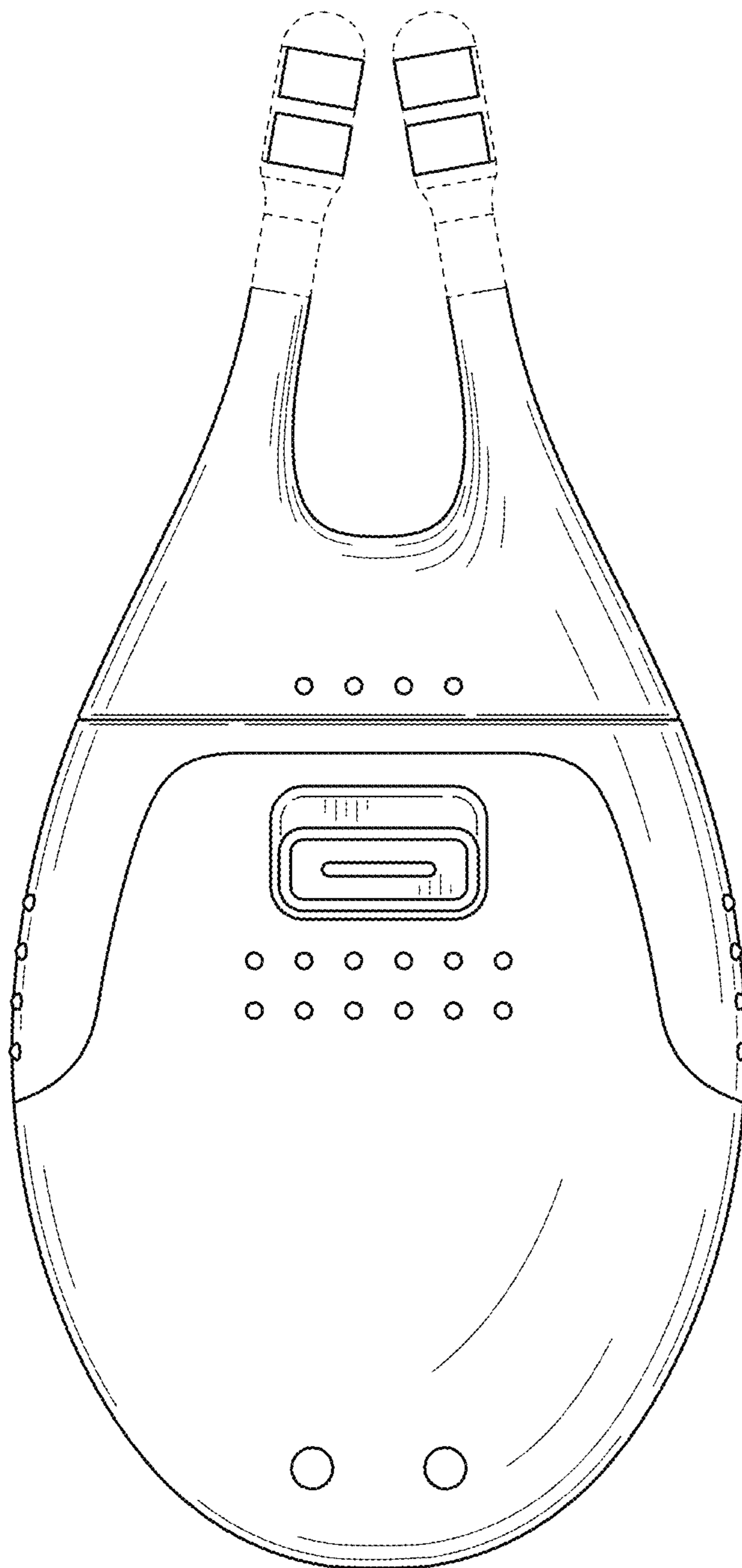


FIG. 24

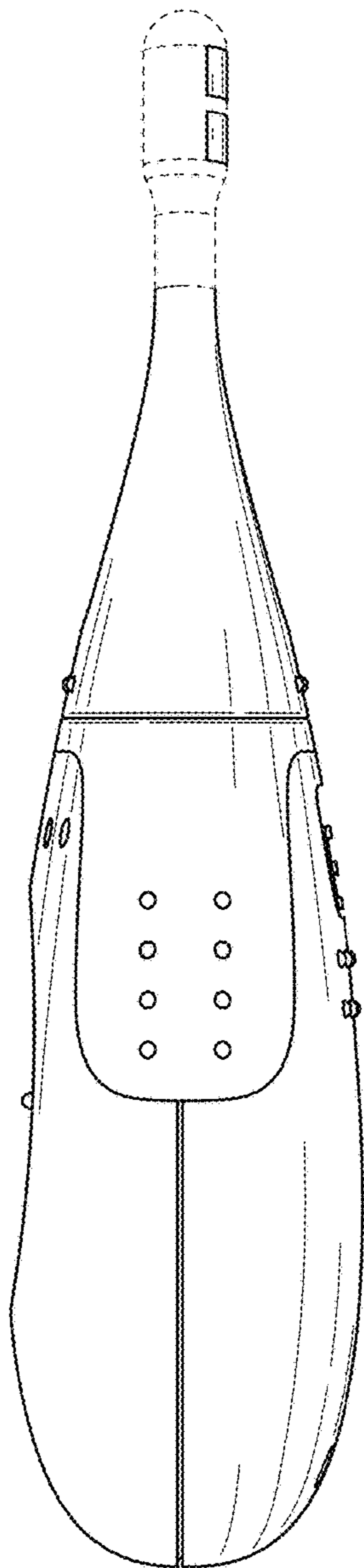


FIG. 25

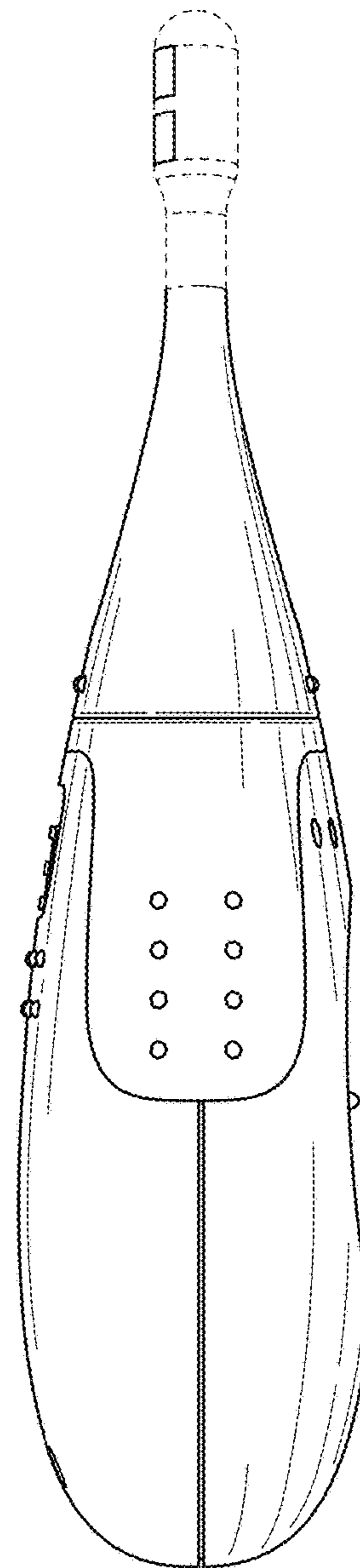


FIG. 26

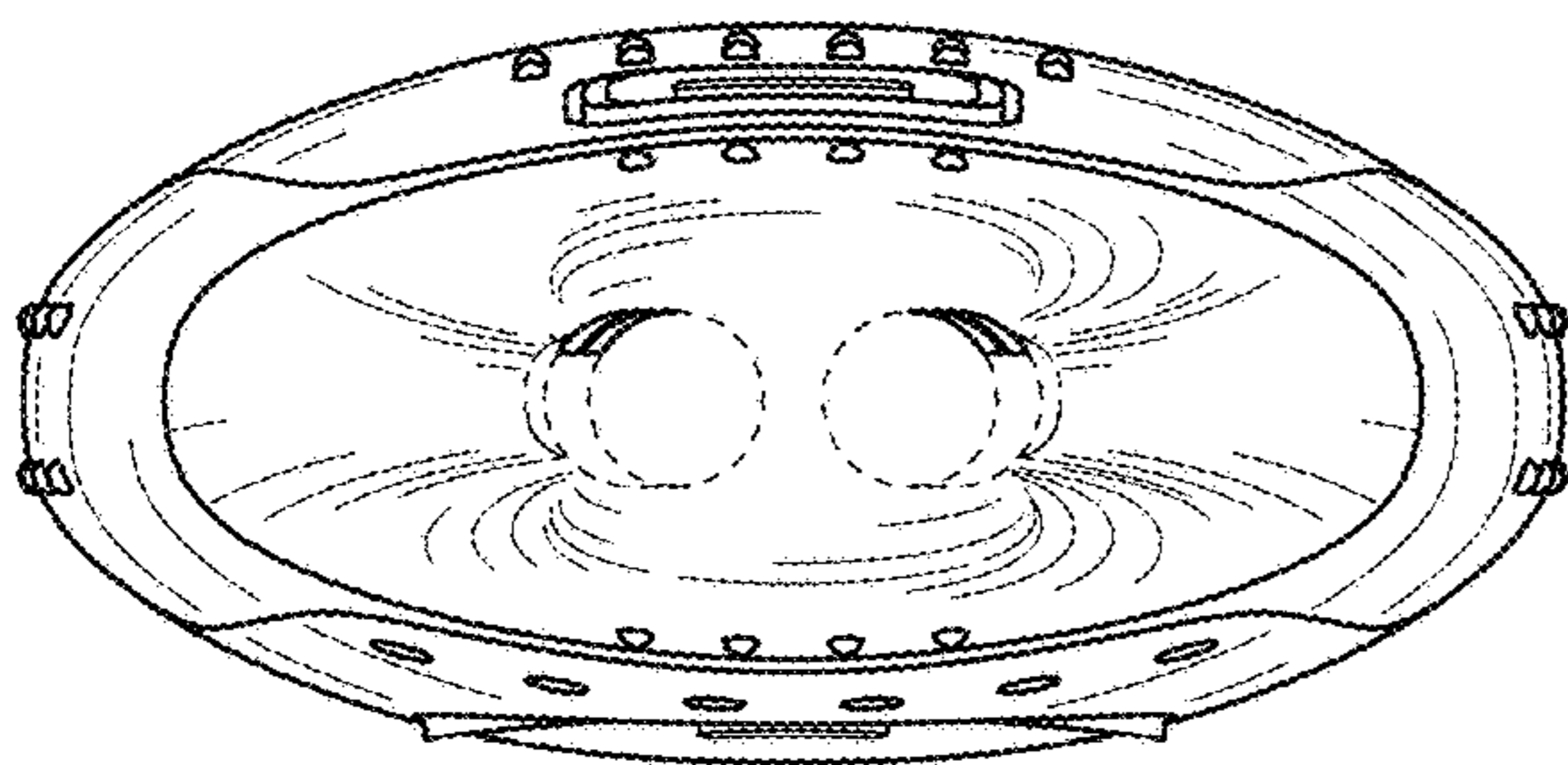


FIG. 27

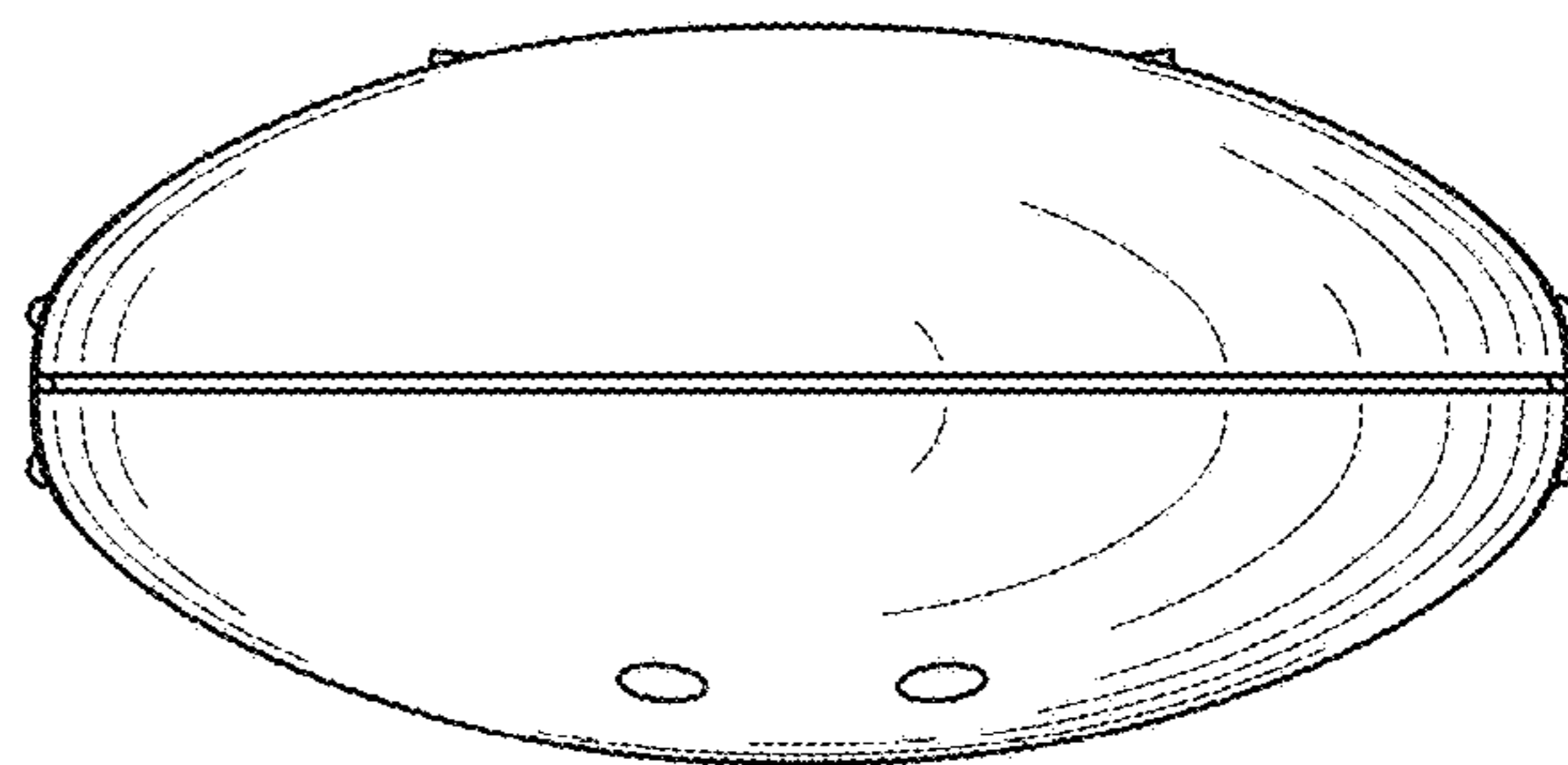


FIG. 28

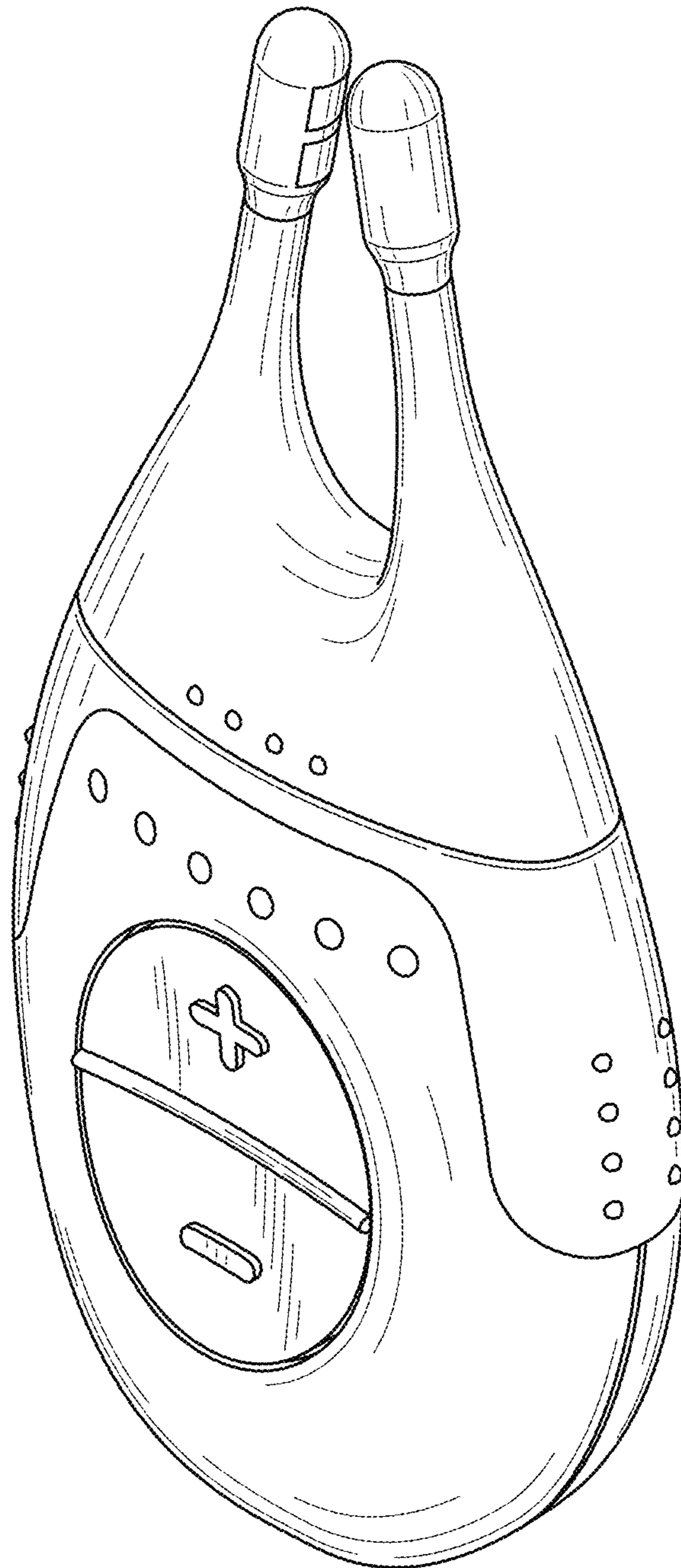


FIG. 29

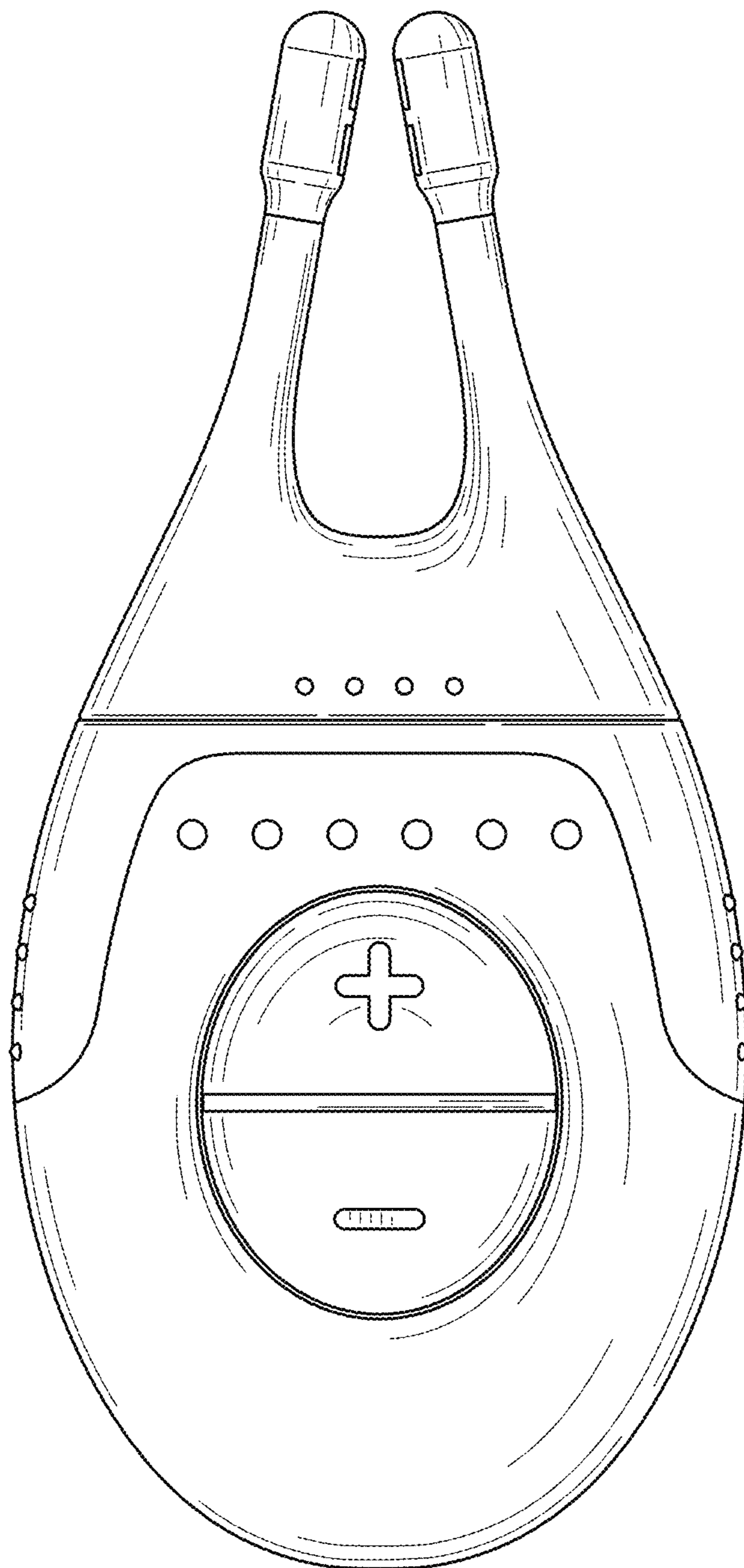


FIG. 30

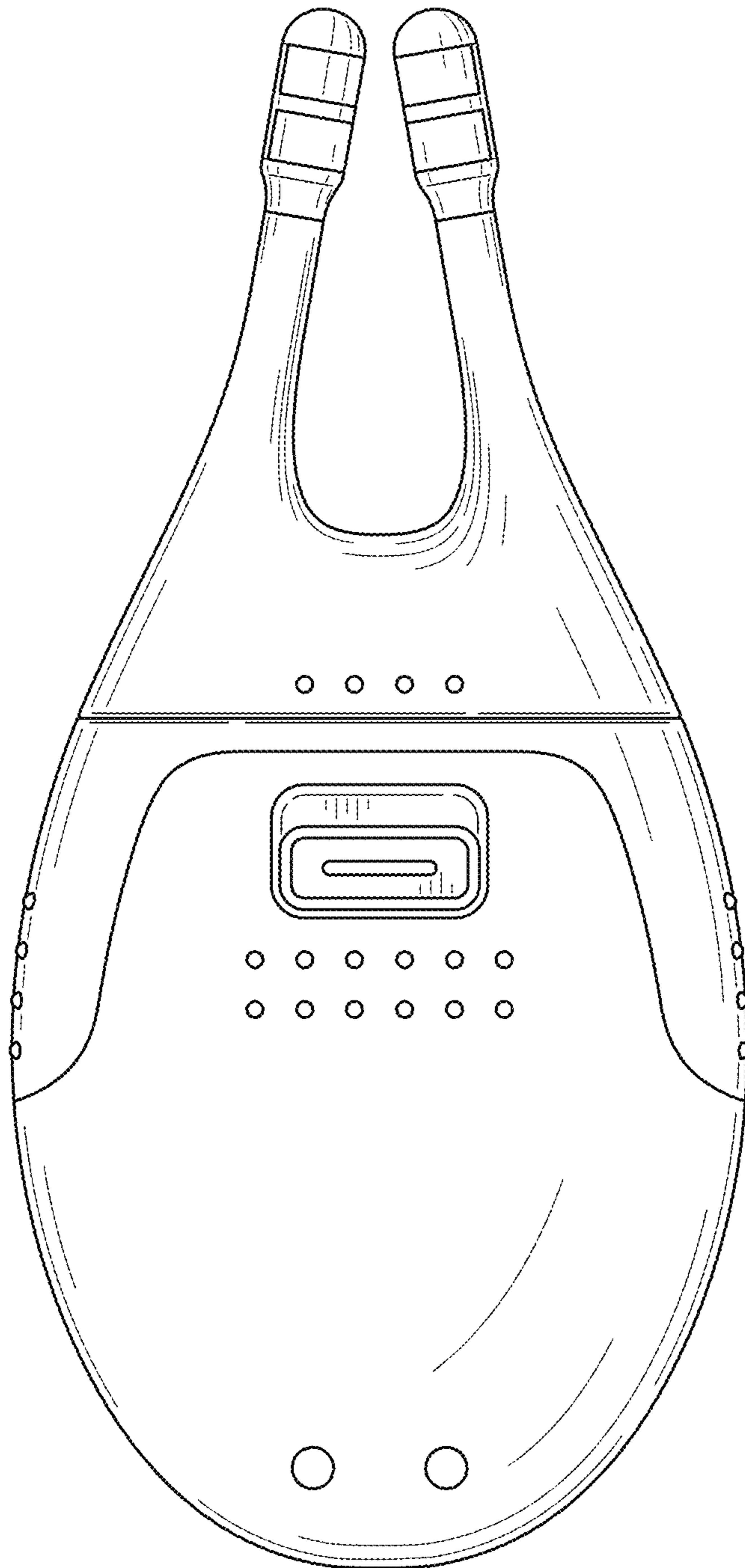


FIG. 31

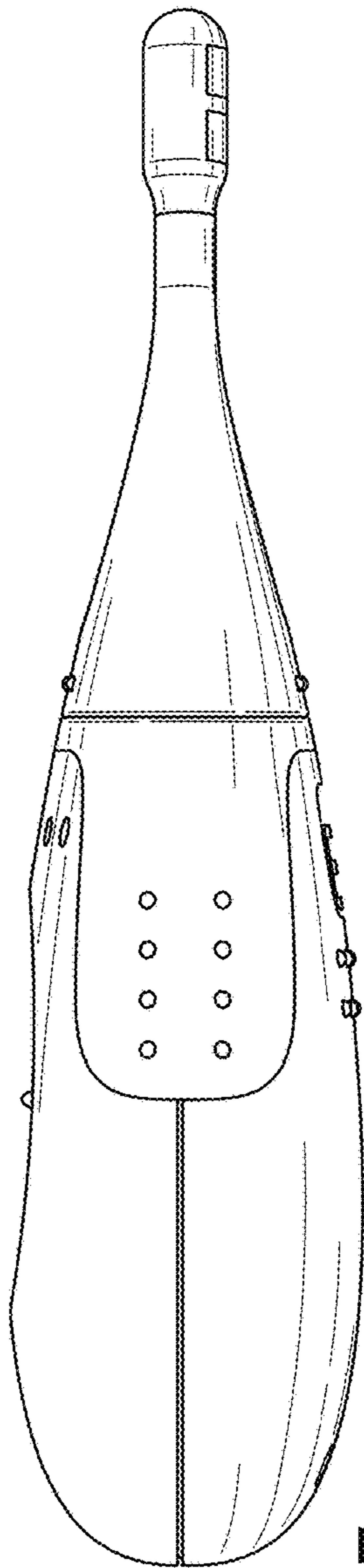


FIG. 32

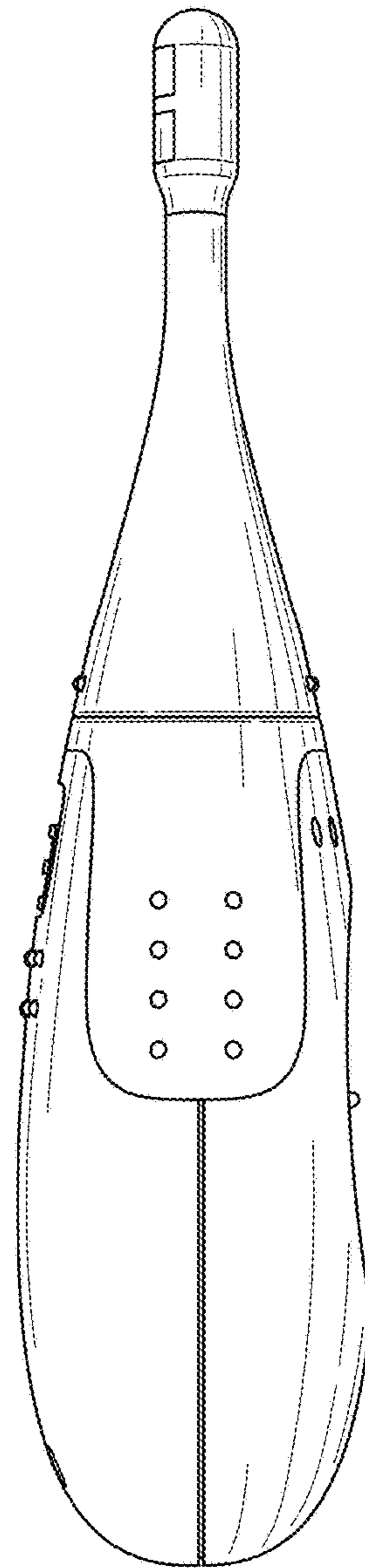


FIG. 33

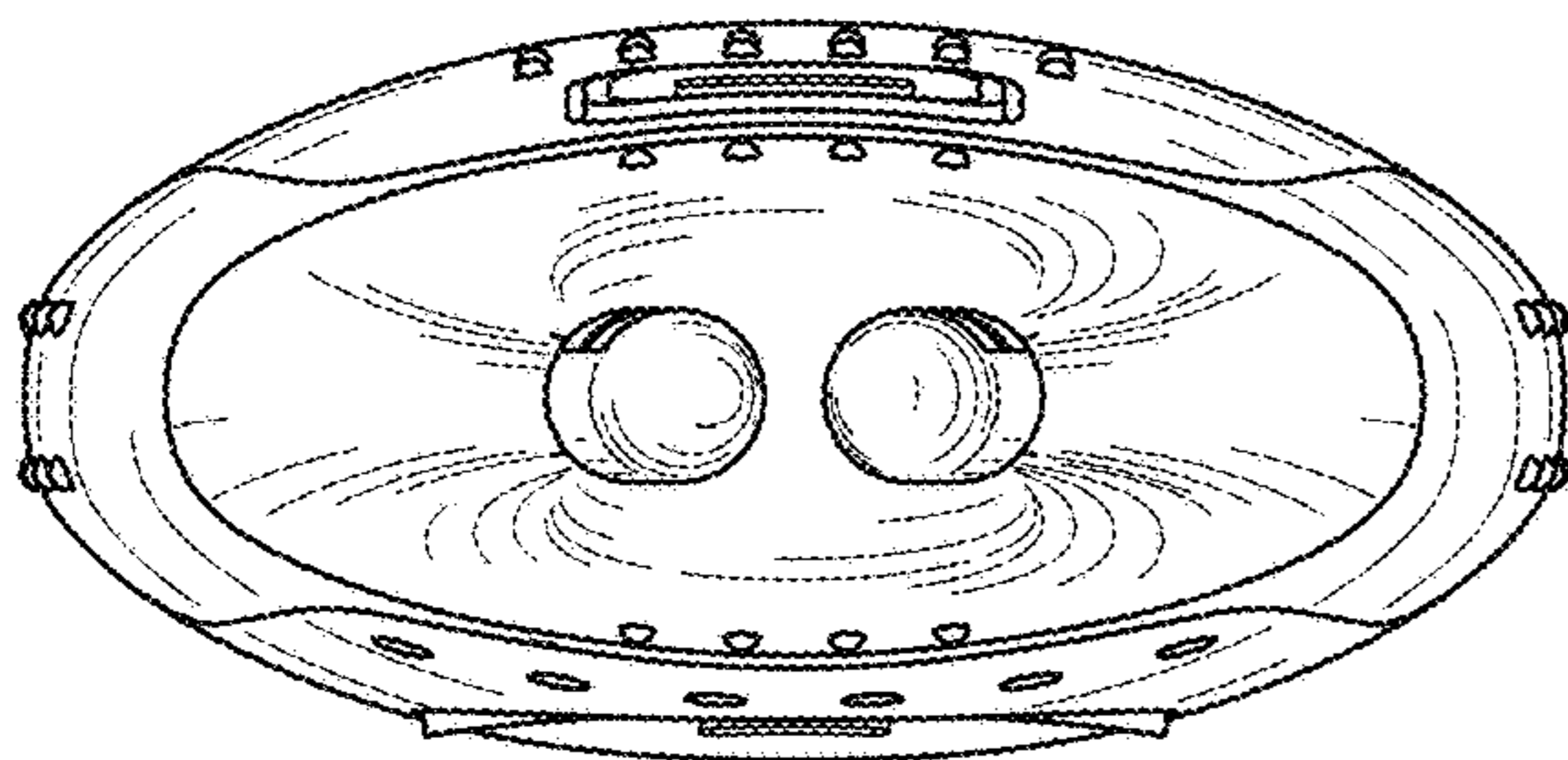


FIG. 34

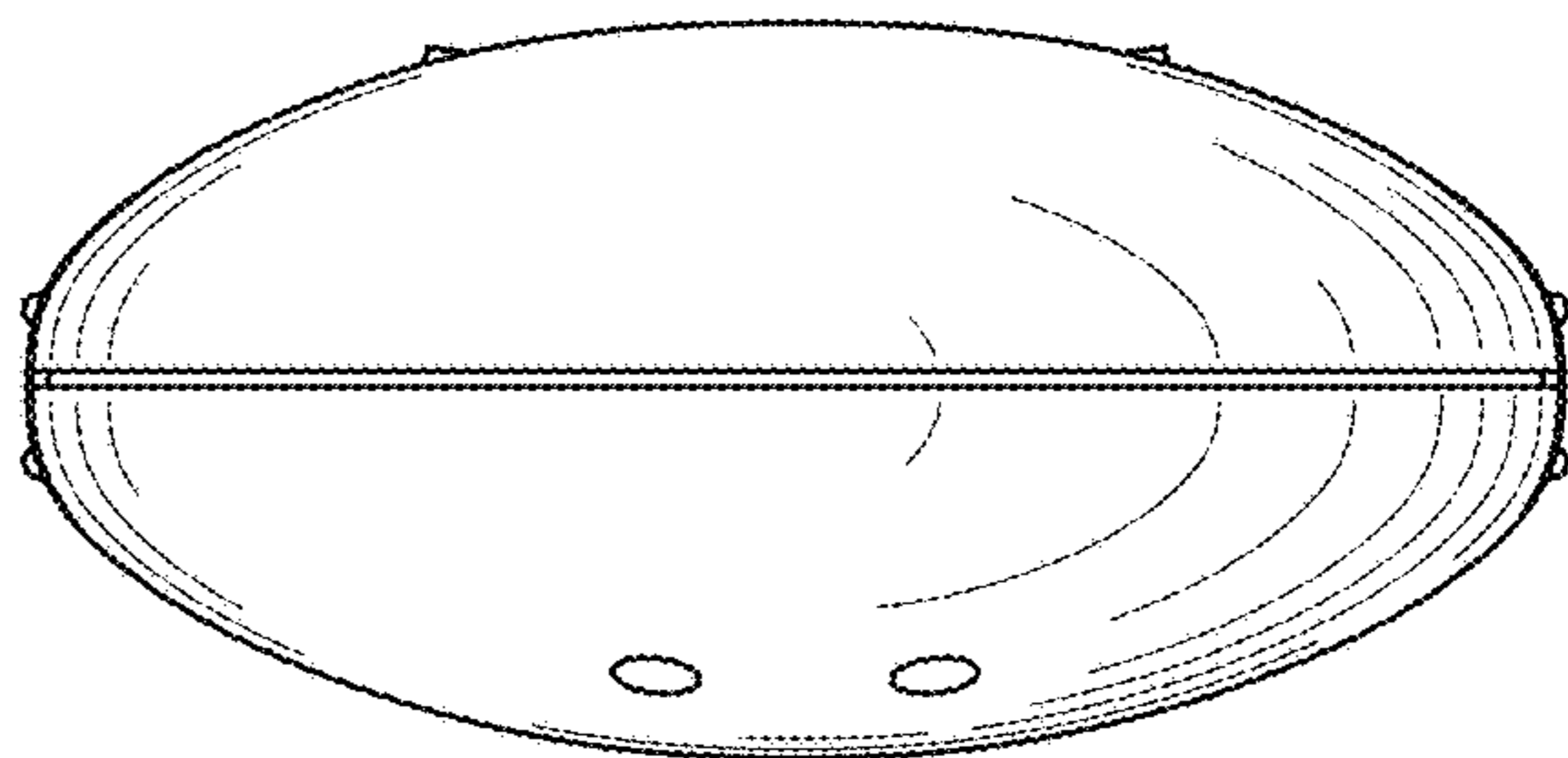


FIG. 35

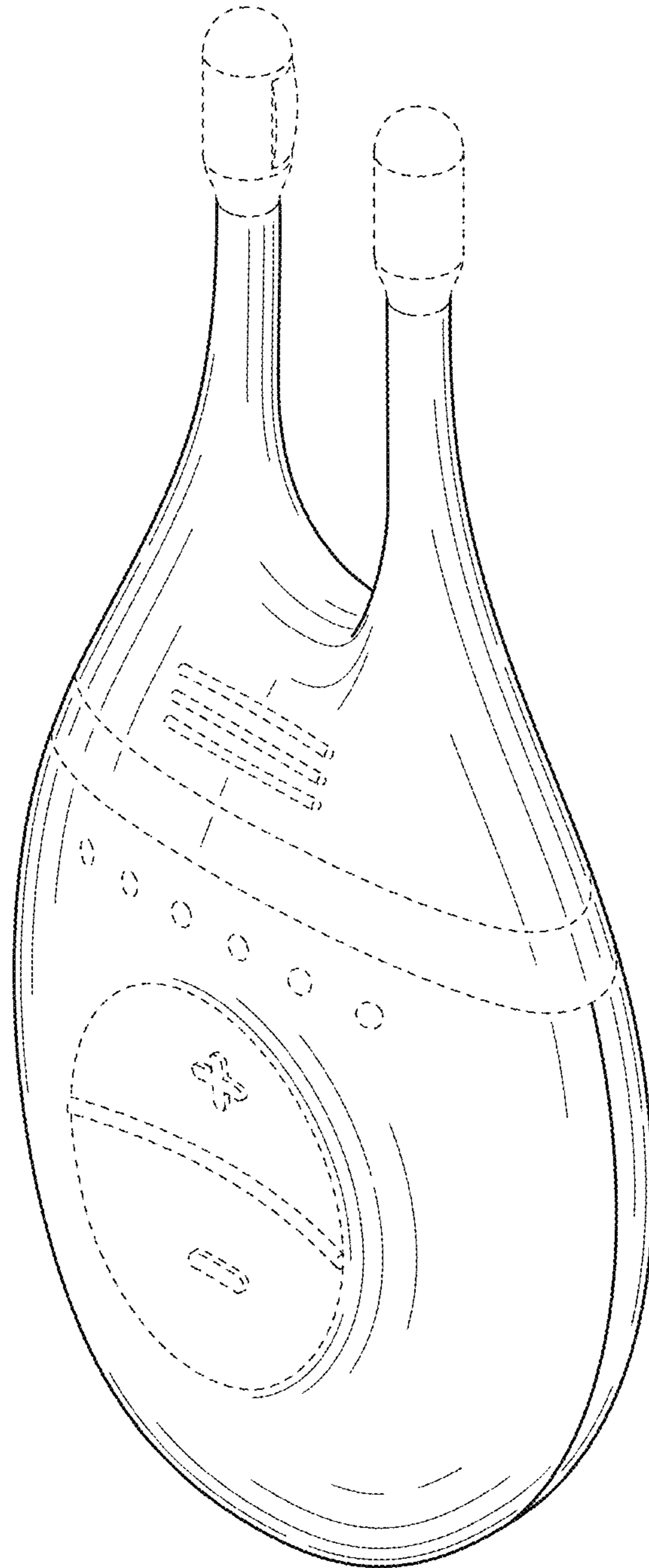


FIG. 36

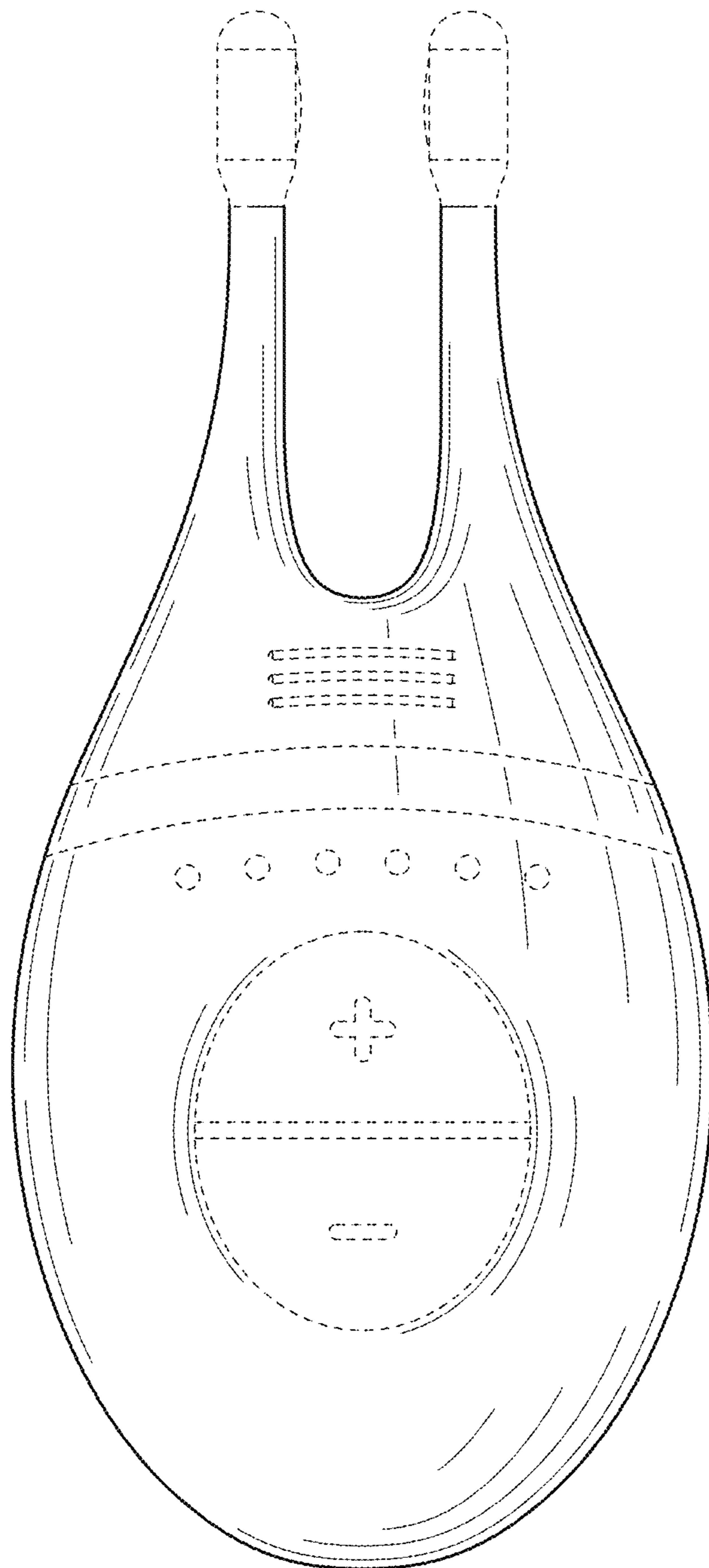


FIG. 37

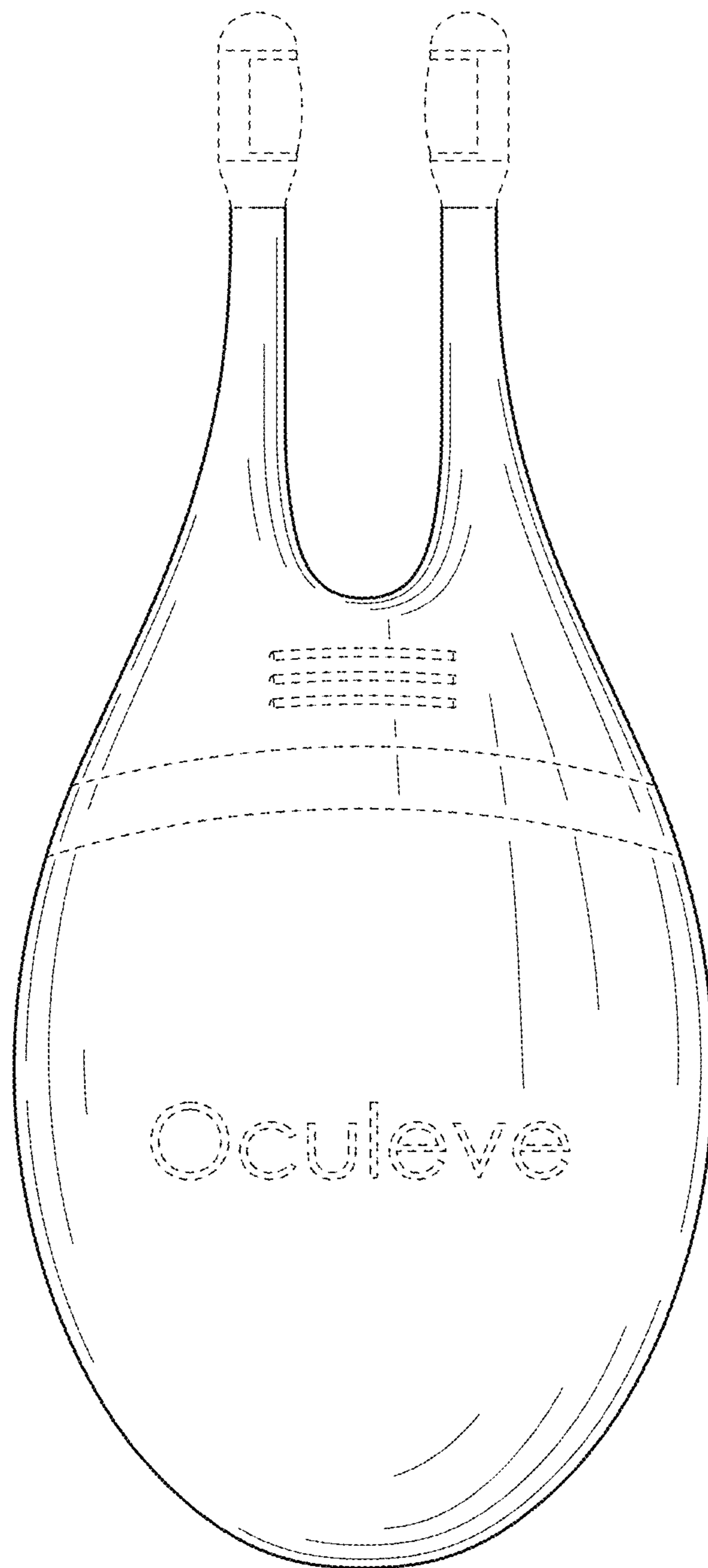


FIG. 38

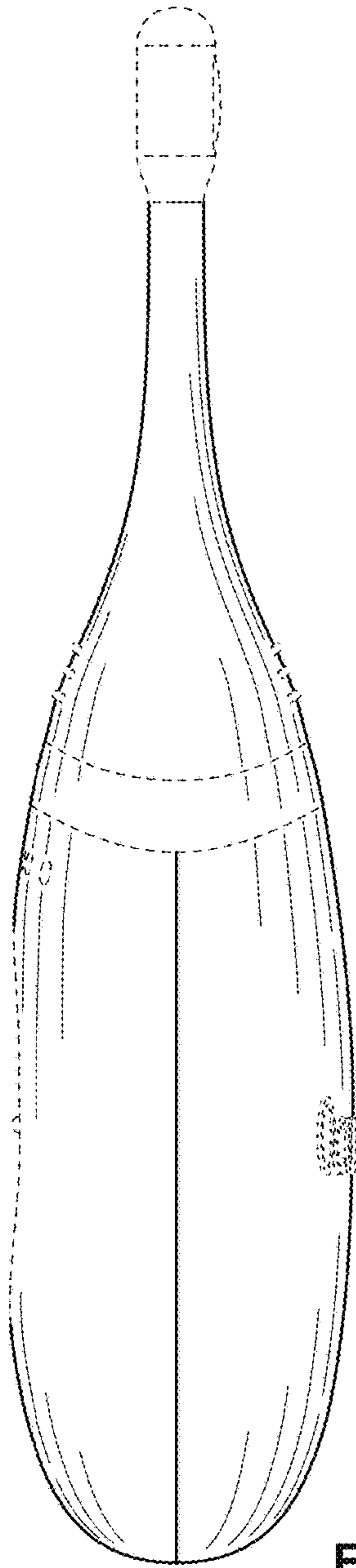


FIG. 39

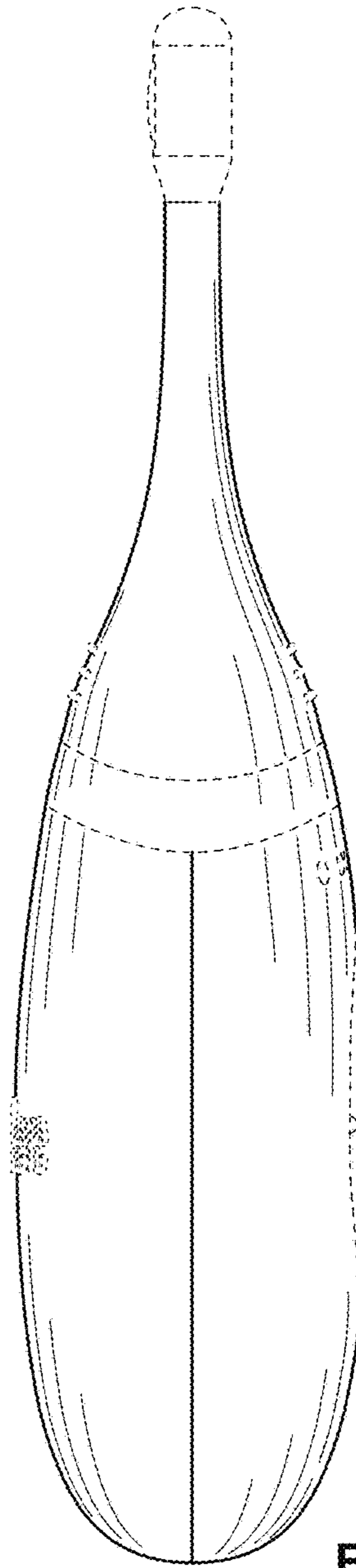


FIG. 40

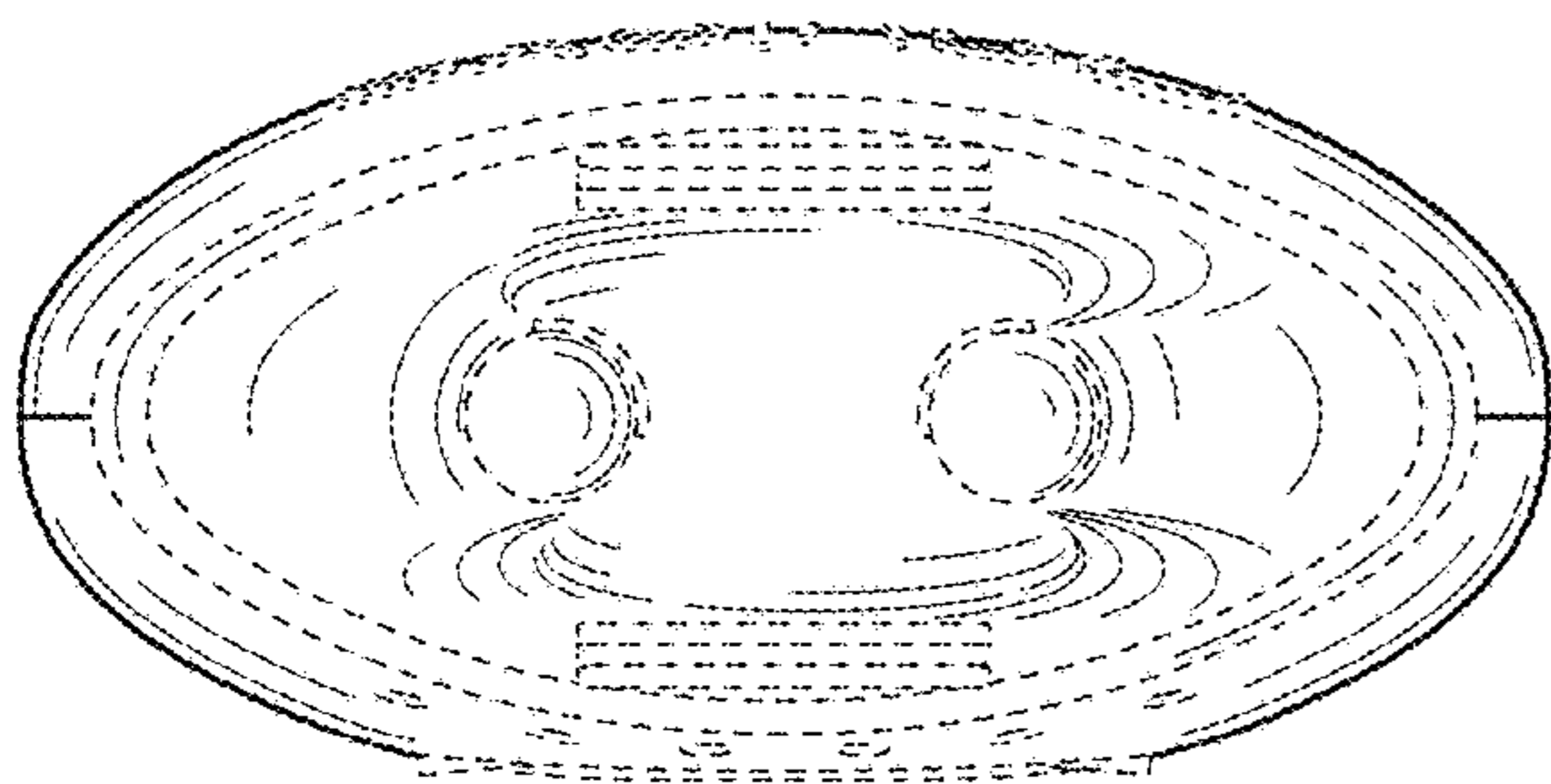


FIG. 41

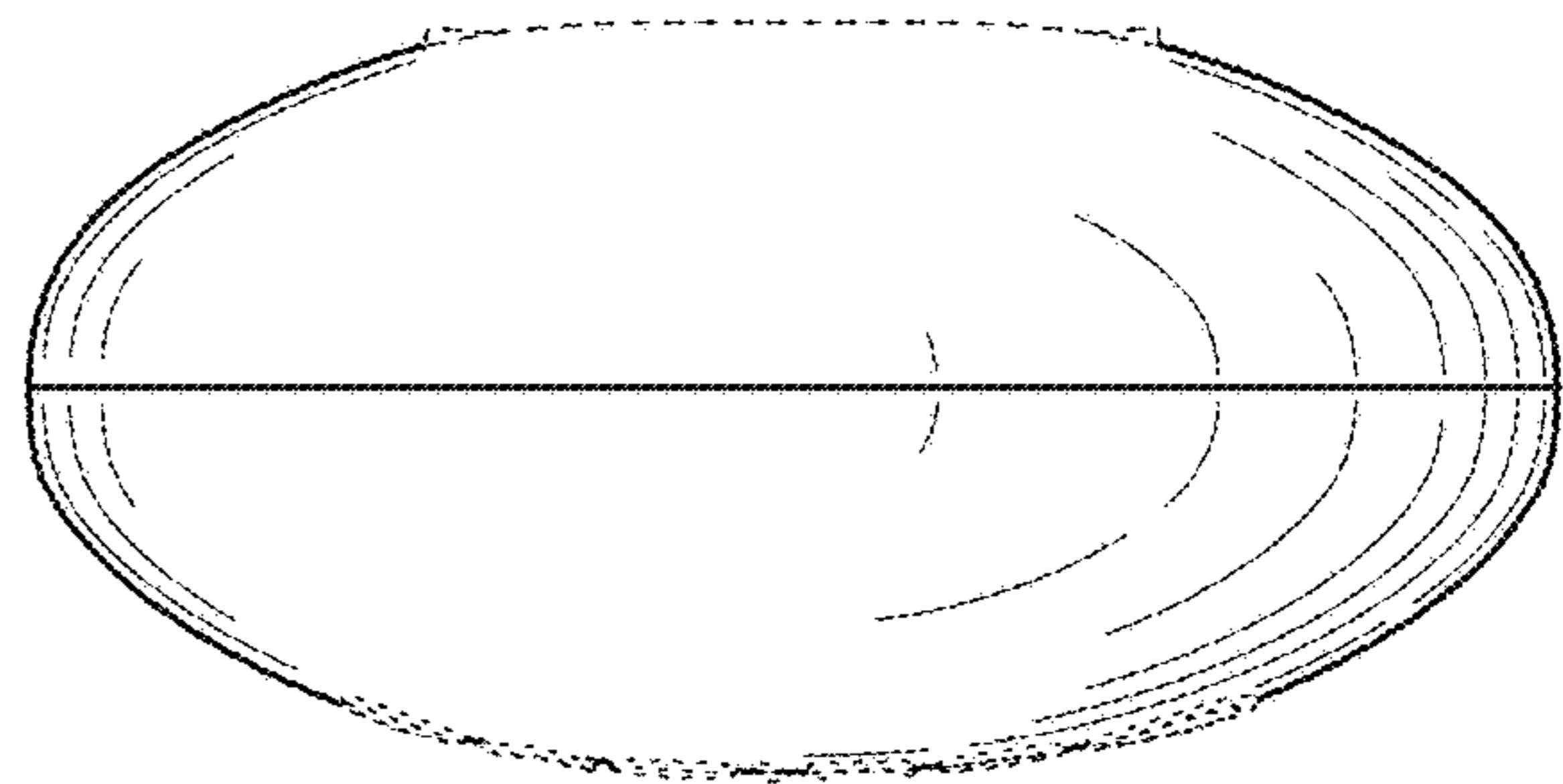


FIG. 42

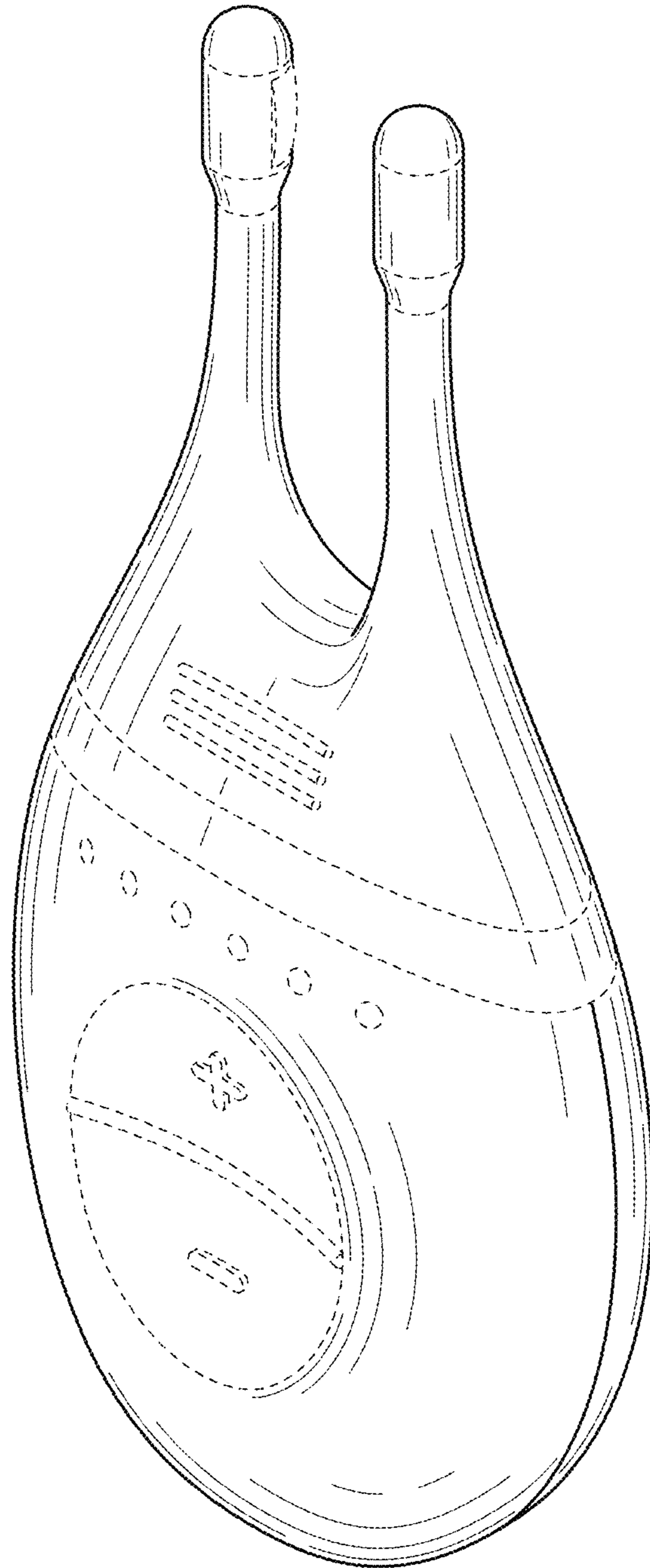


FIG. 43

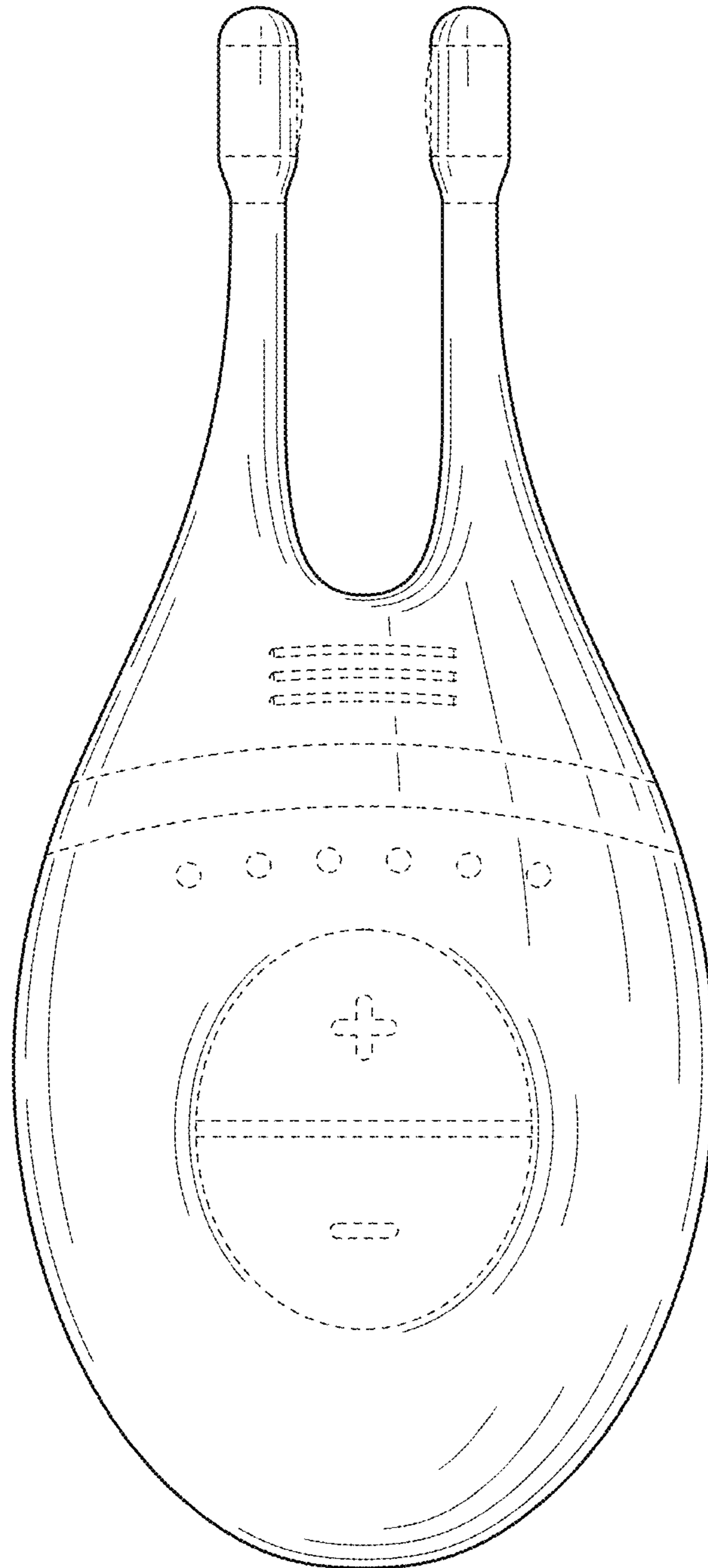


FIG. 44

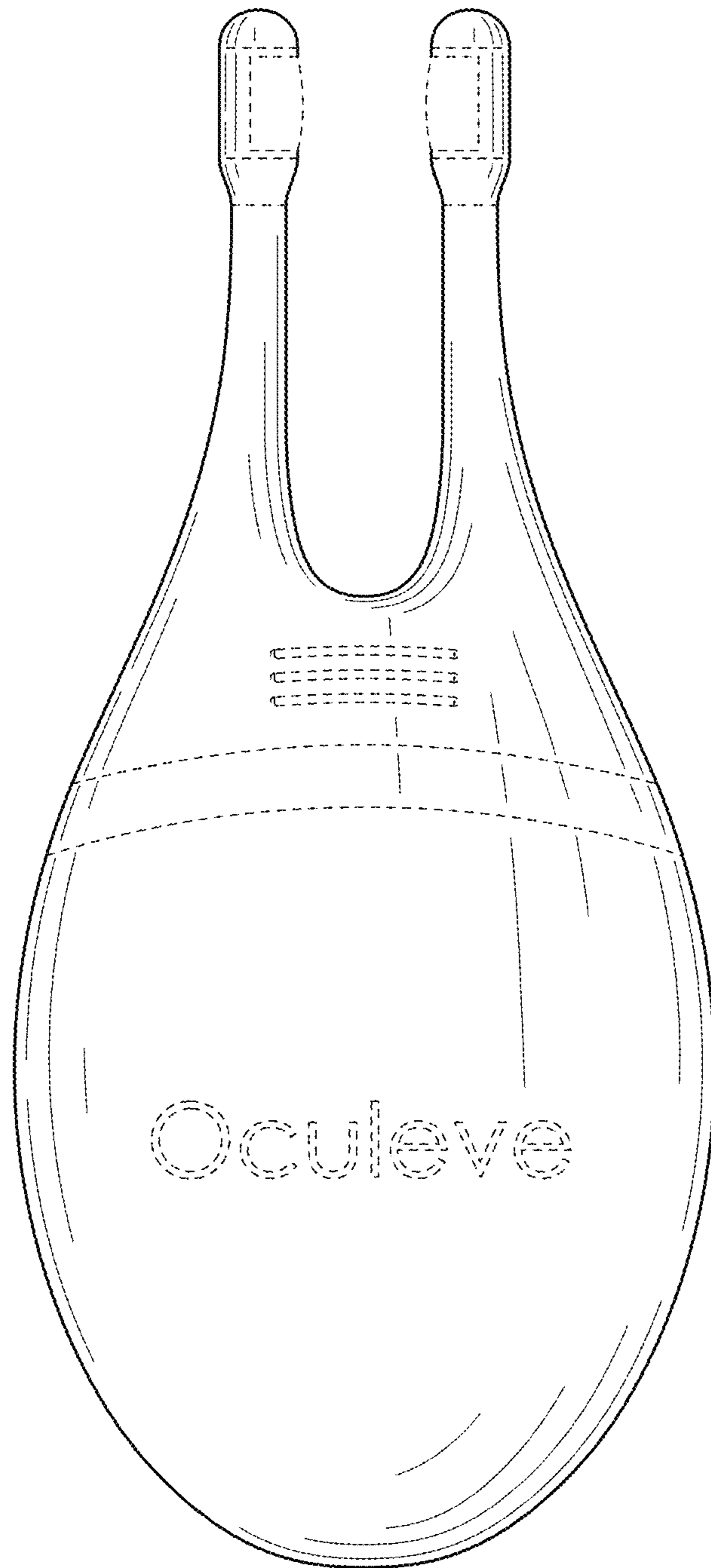


FIG. 45

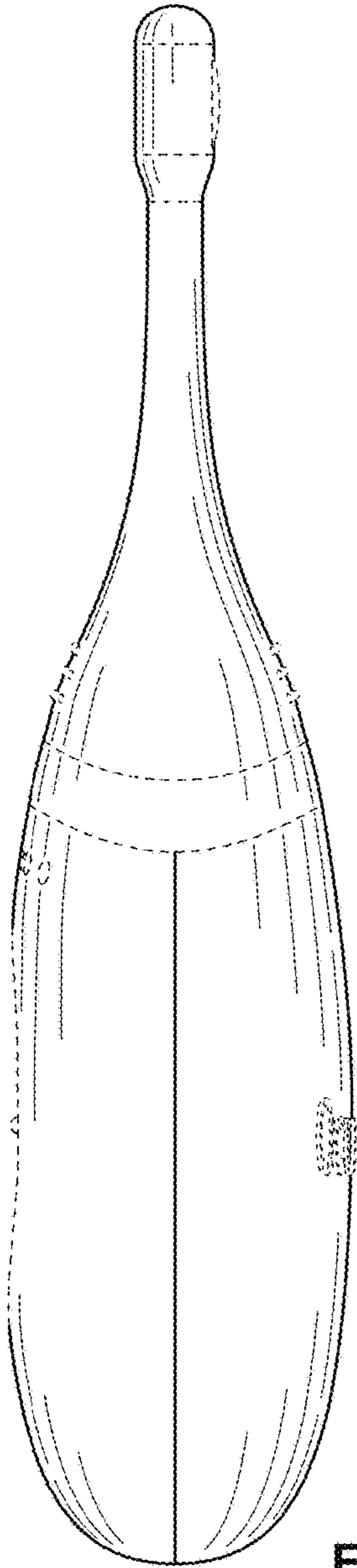


FIG. 46

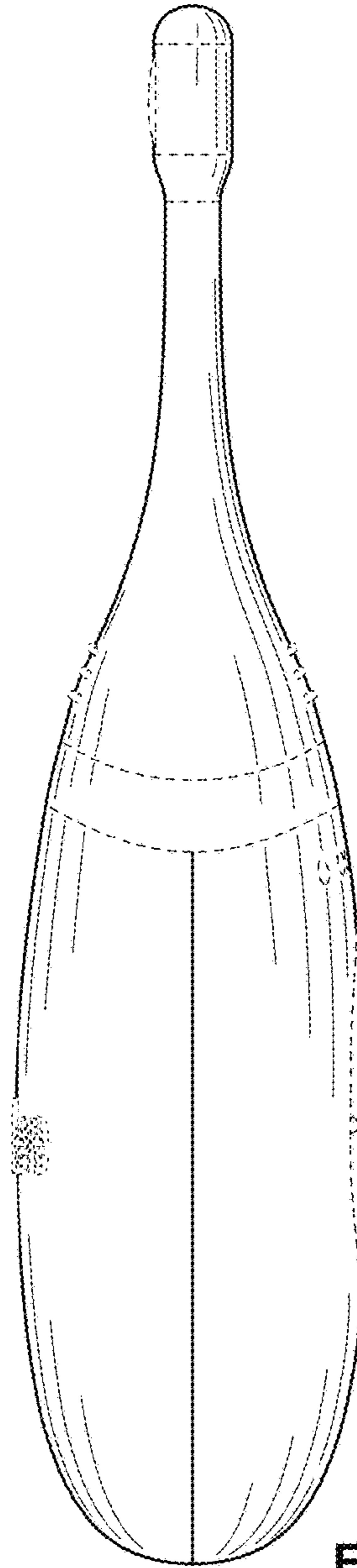


FIG. 47

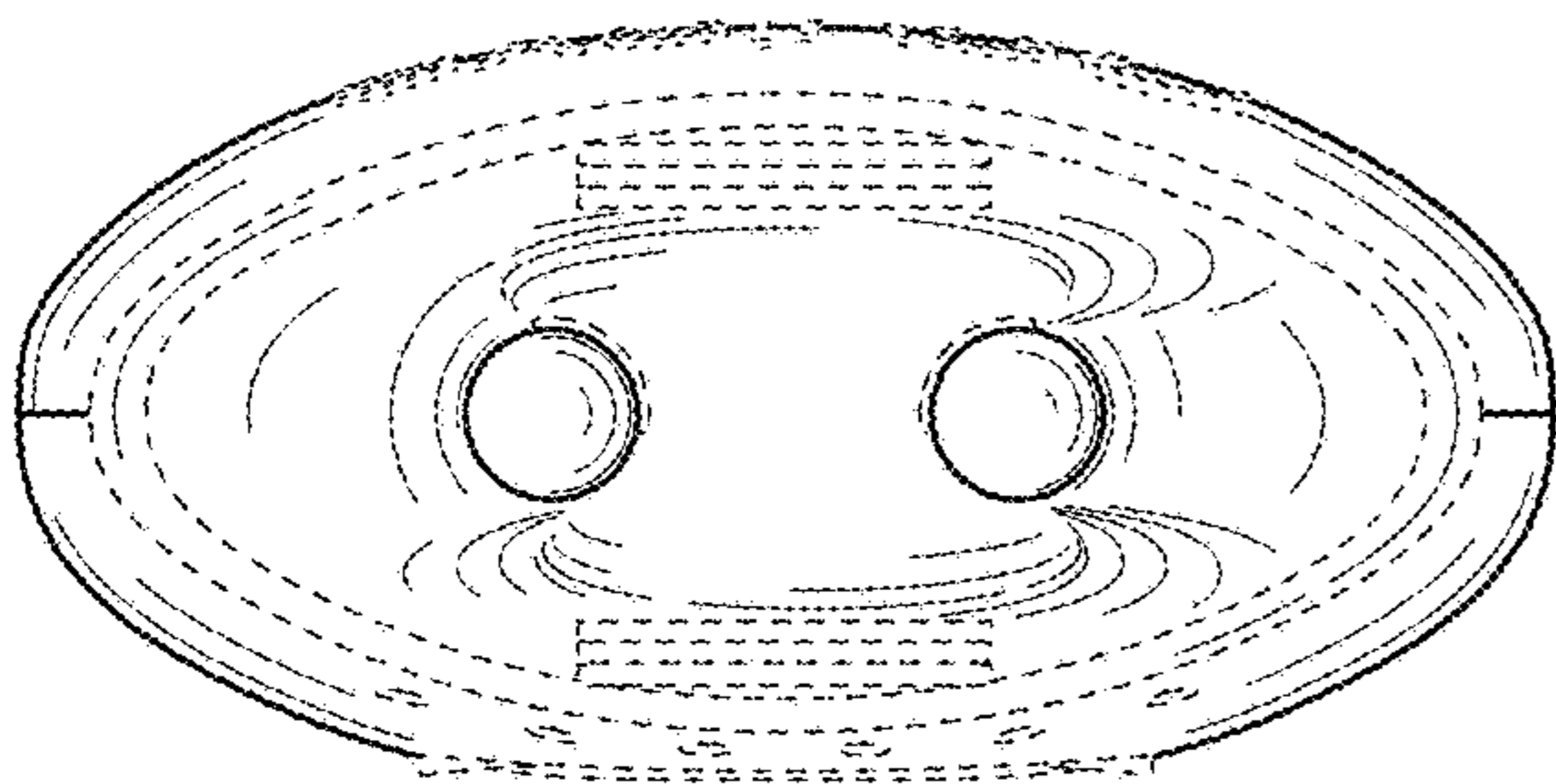


FIG. 48

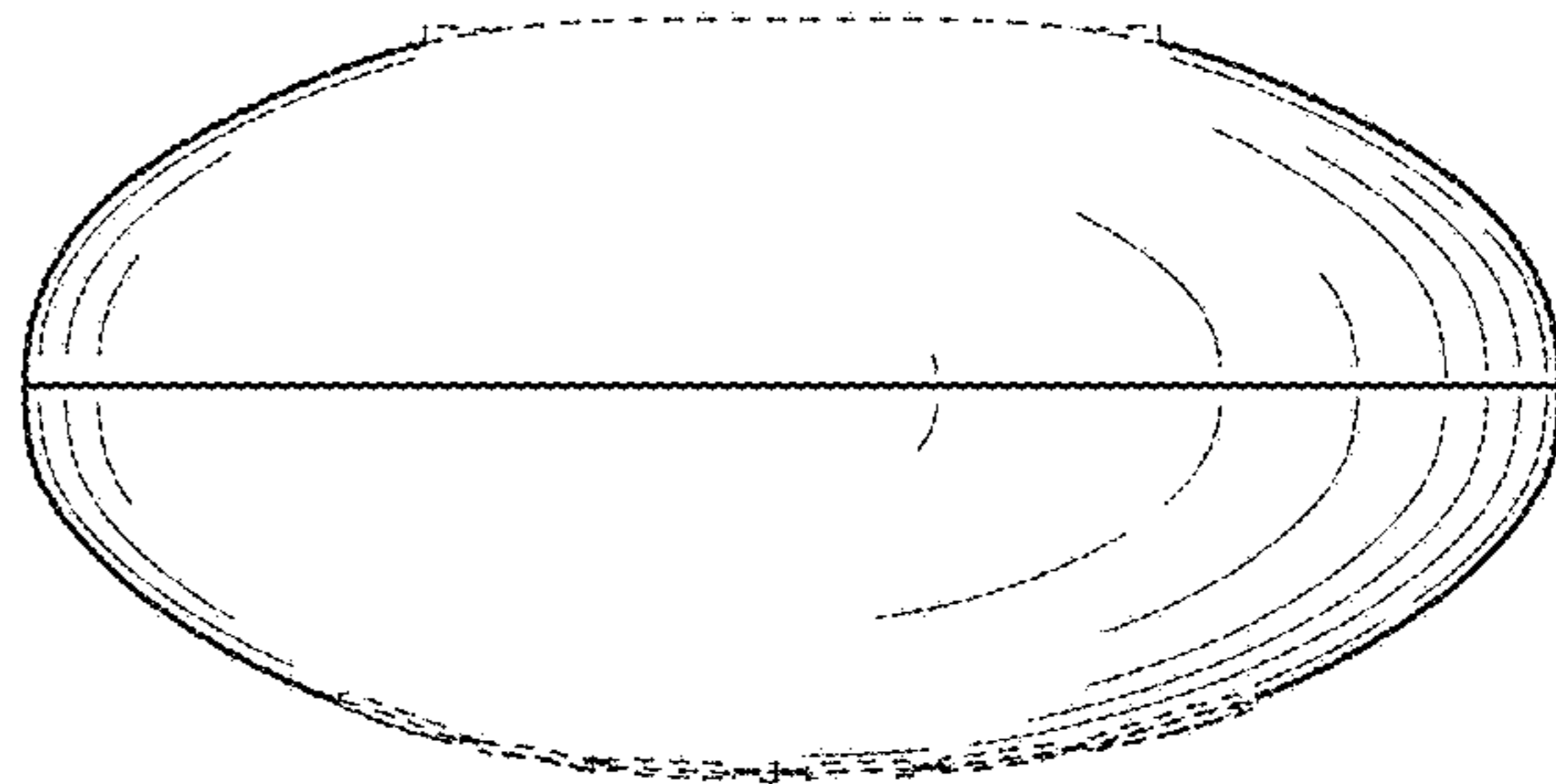


FIG. 49

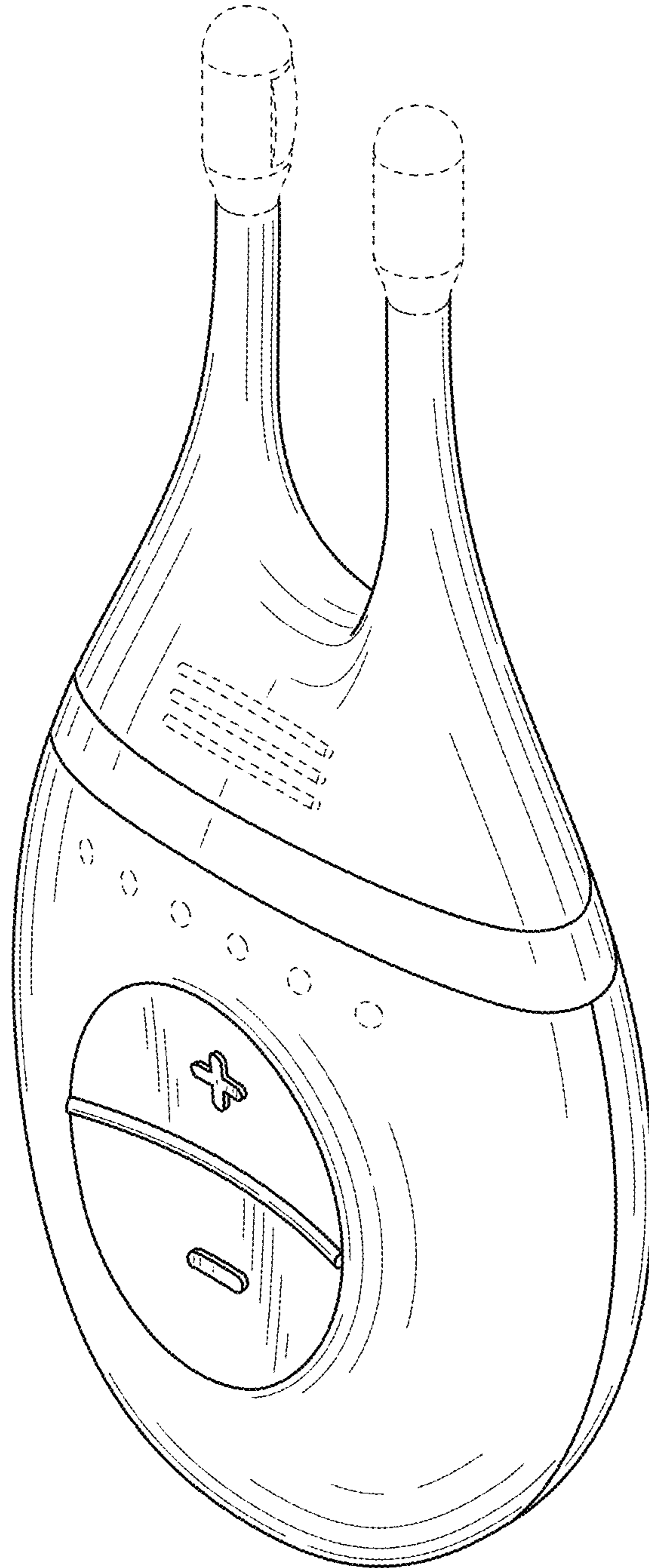


FIG. 50

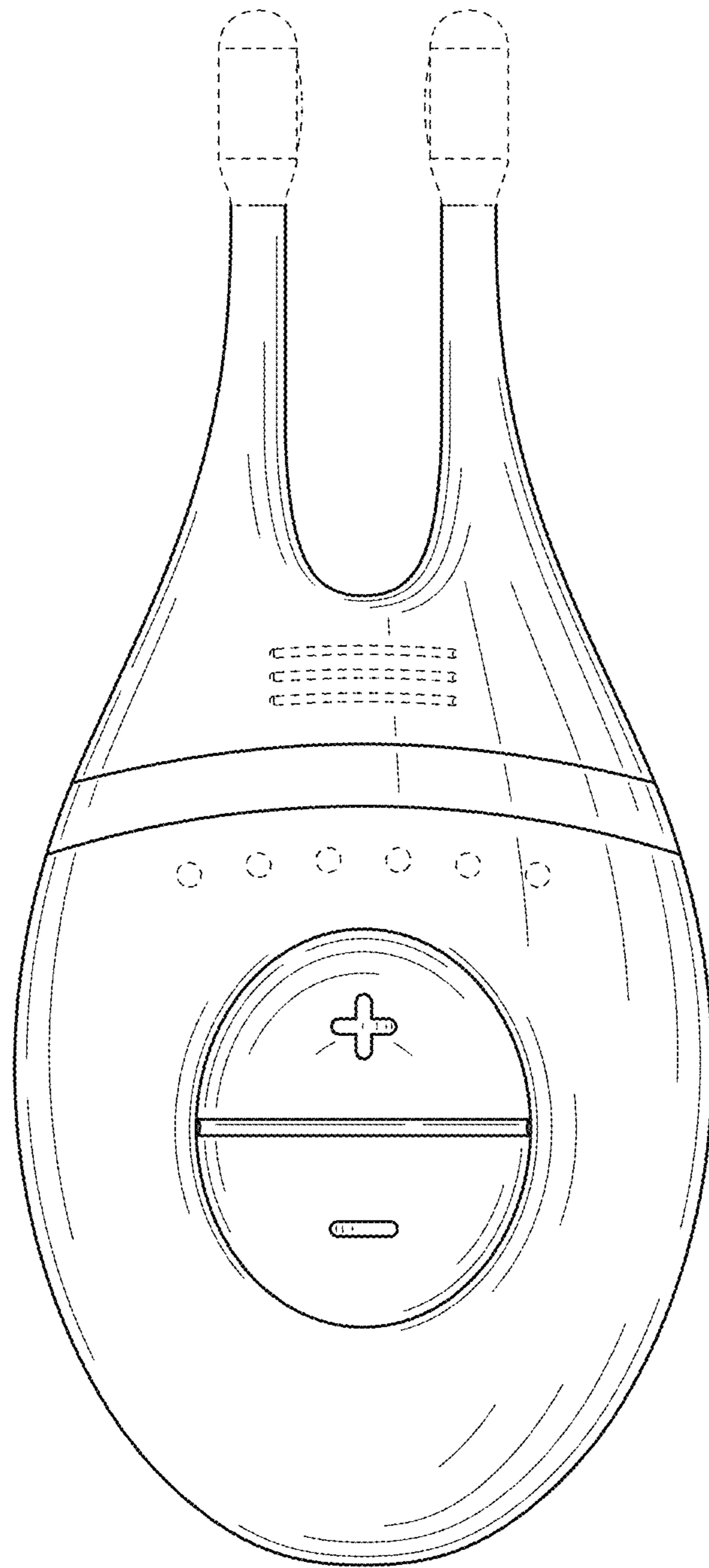


FIG. 51

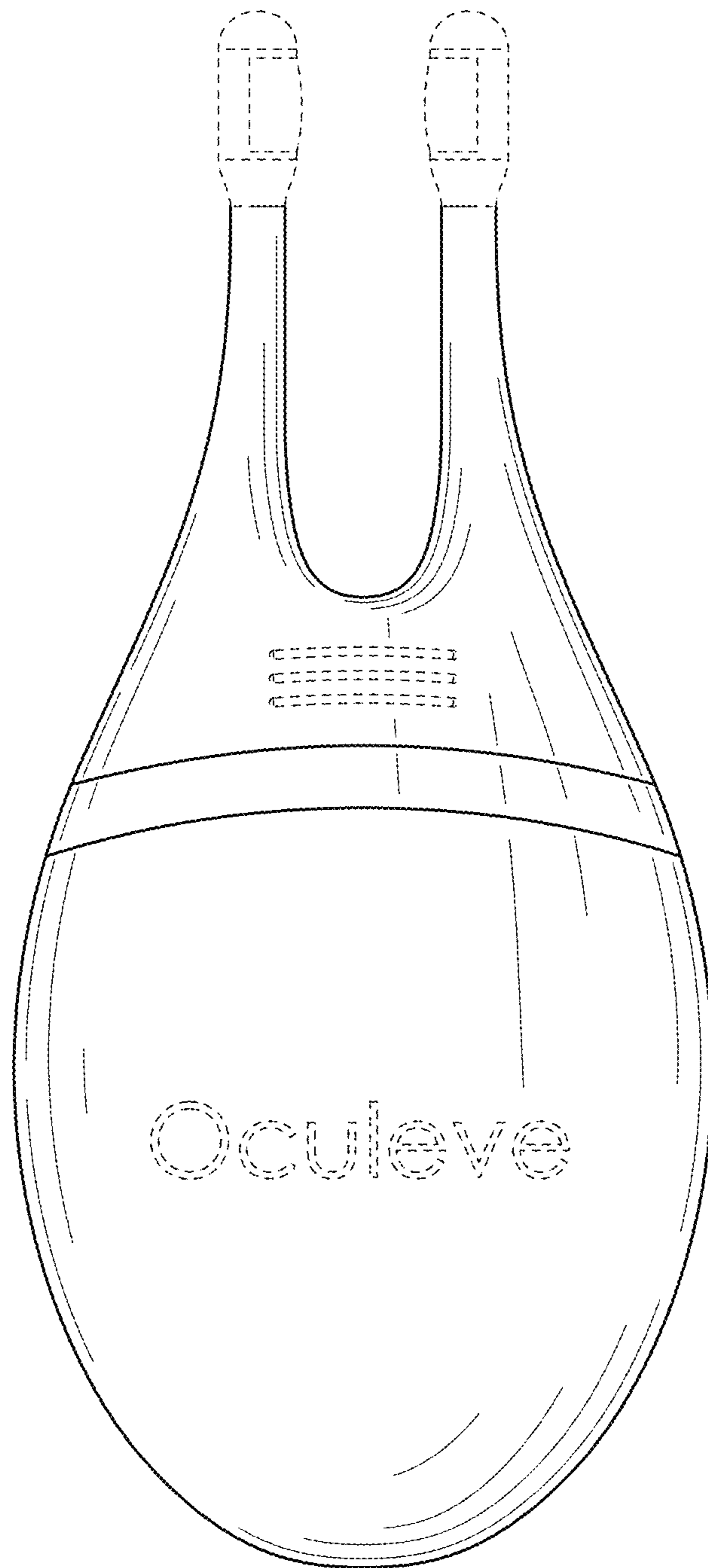


FIG. 52

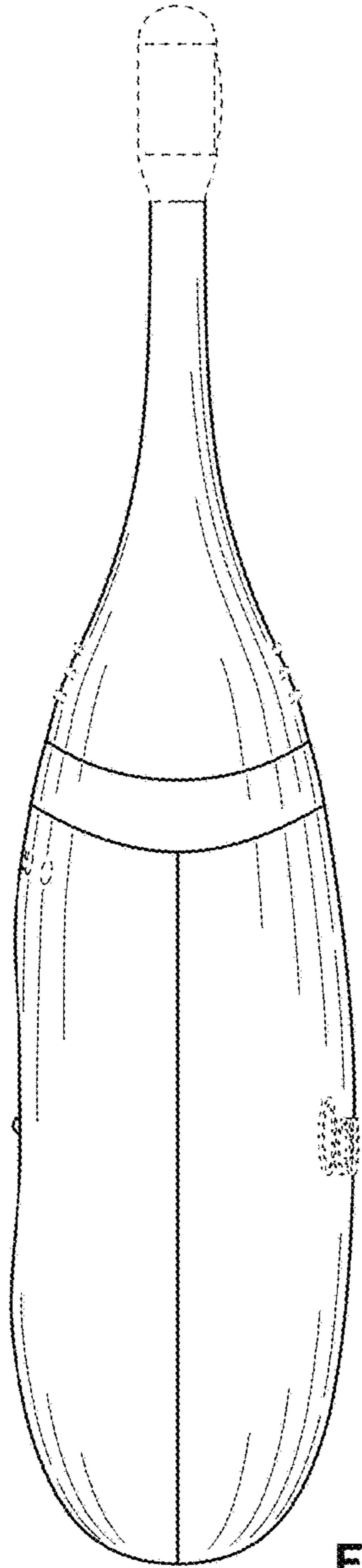


FIG. 53

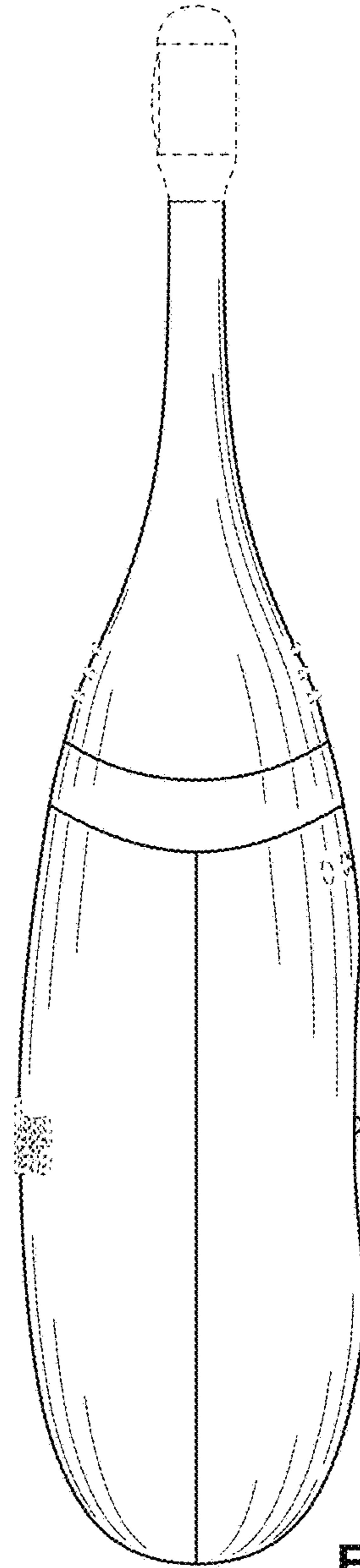


FIG. 54

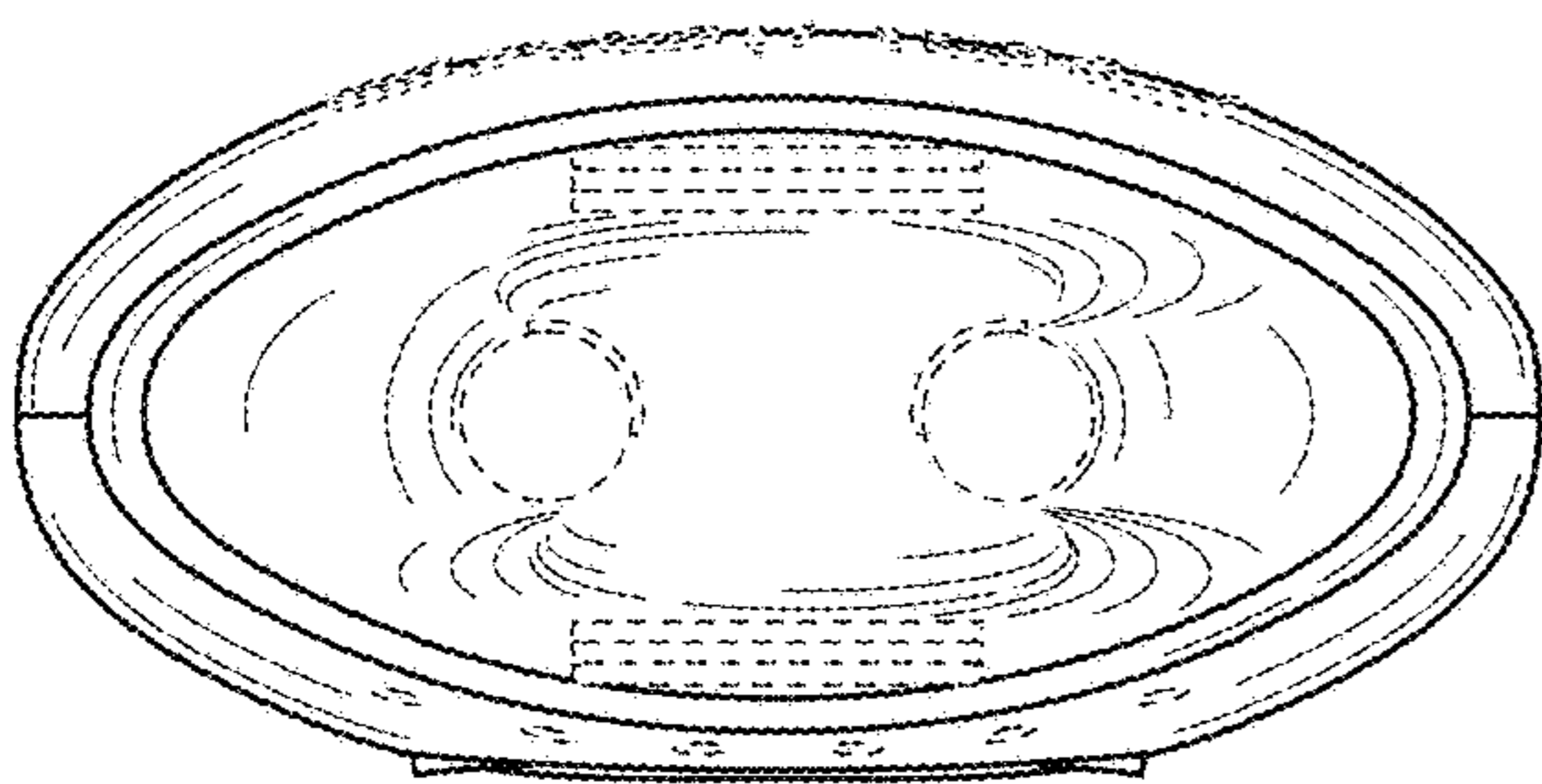


FIG. 55

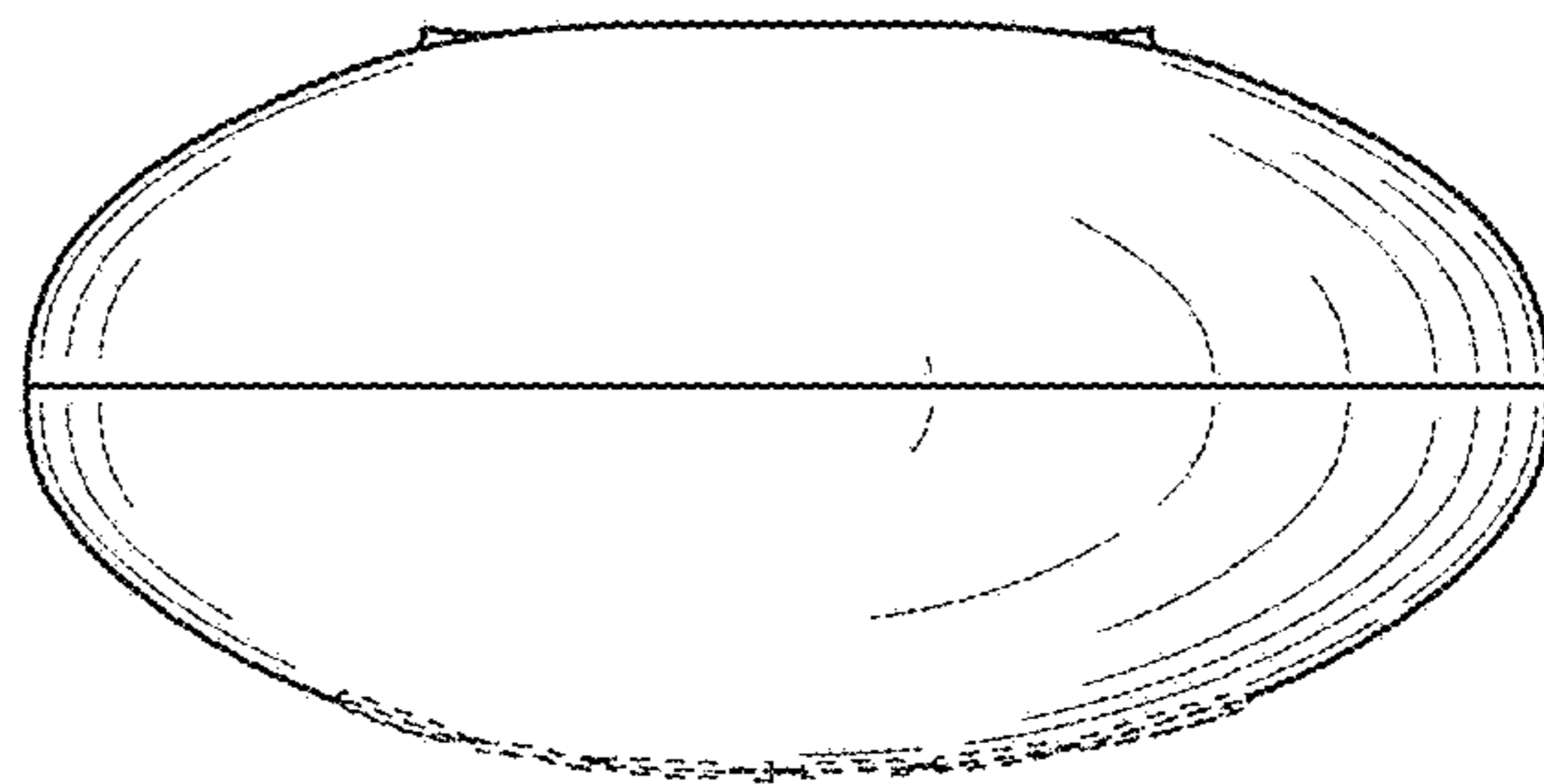


FIG. 56

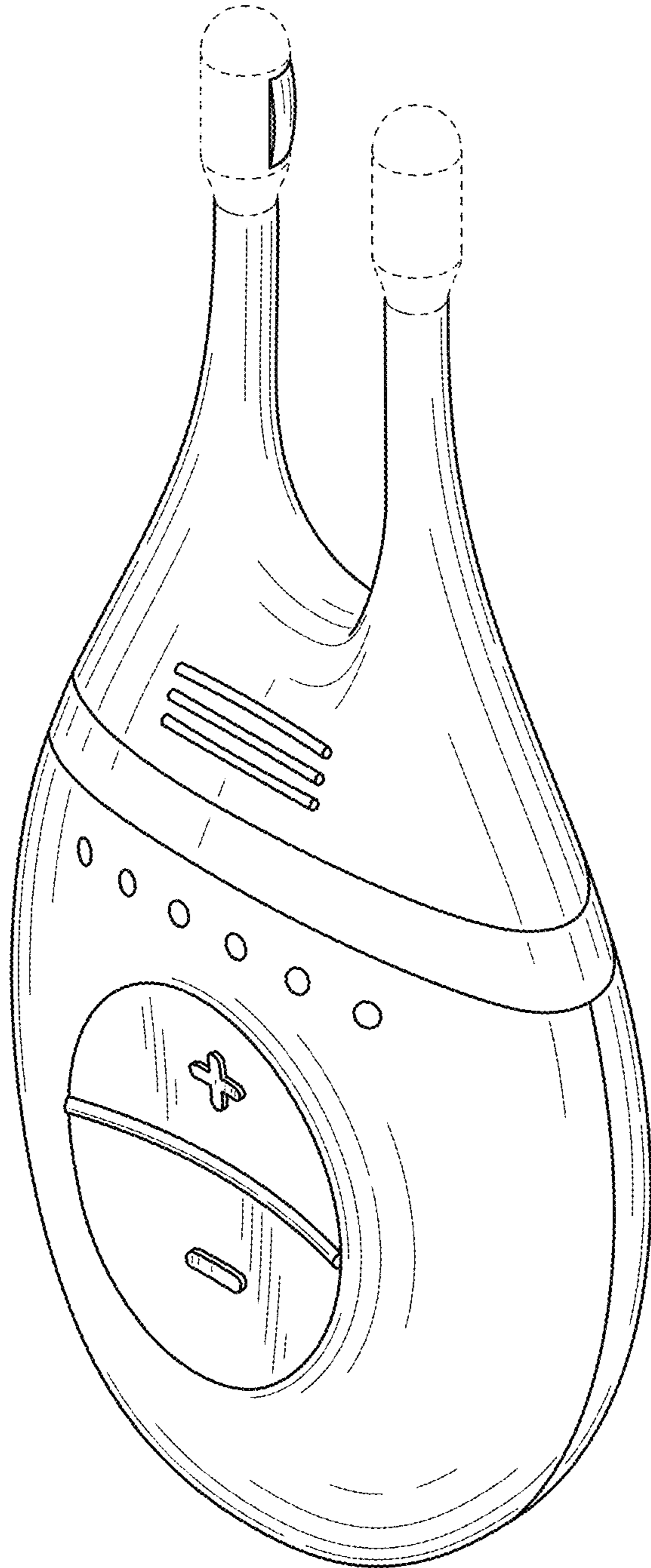


FIG. 57

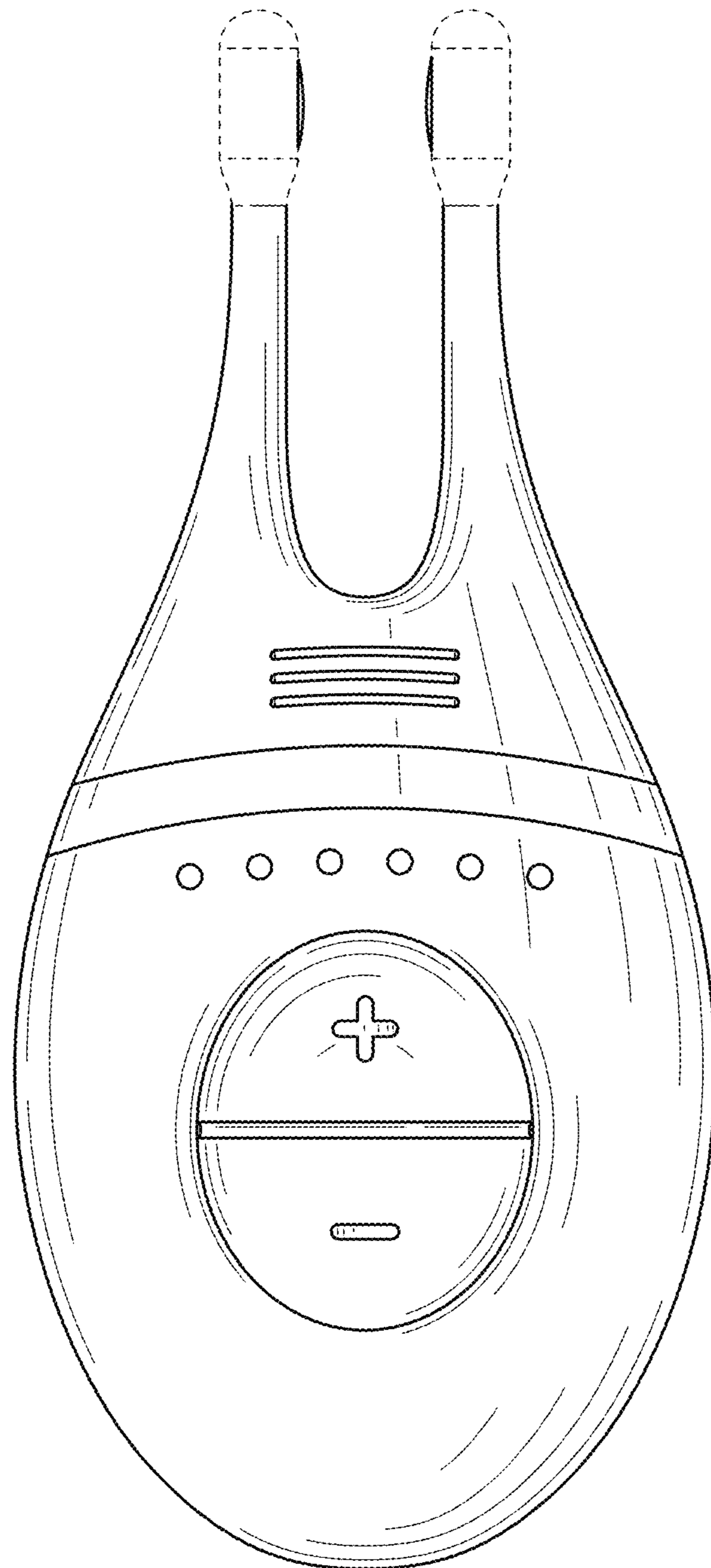


FIG. 58

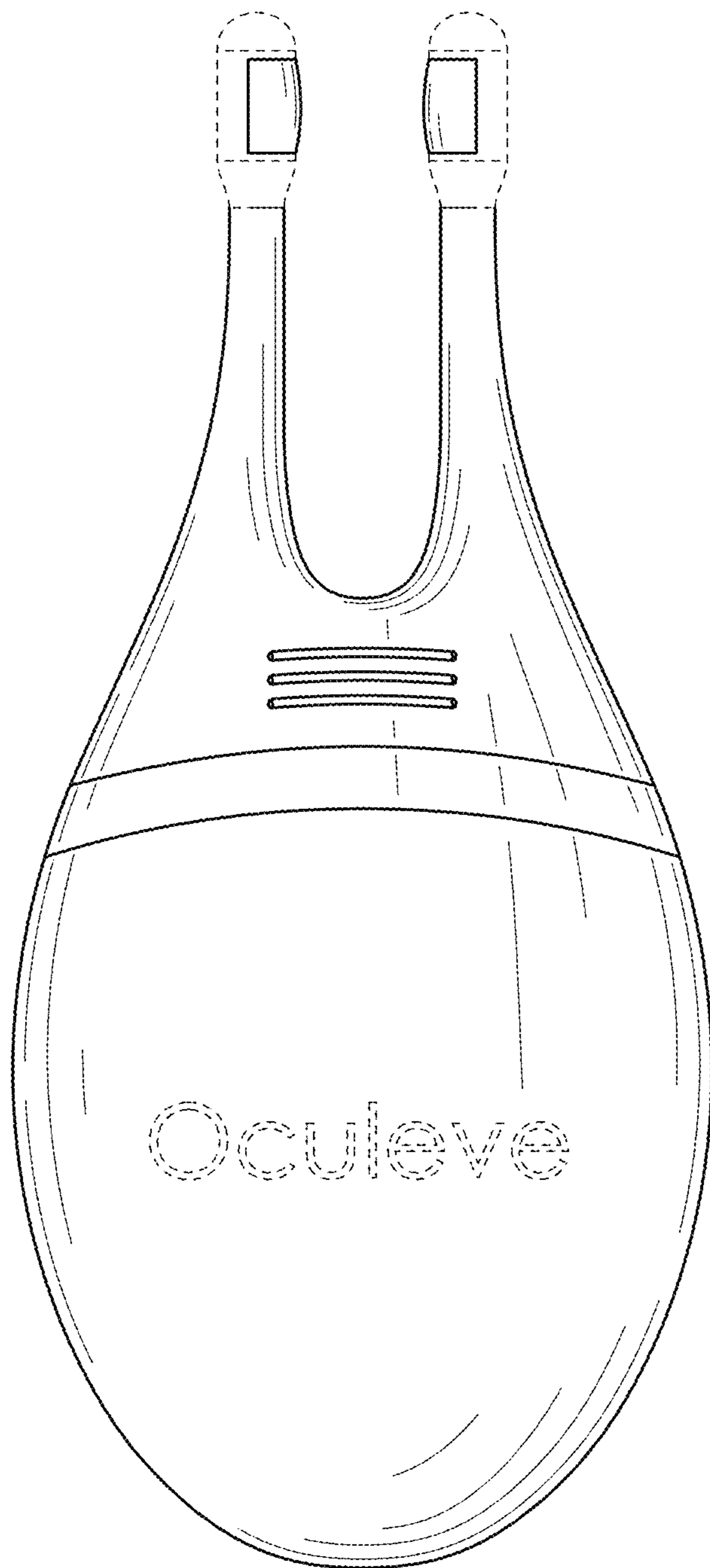


FIG. 59

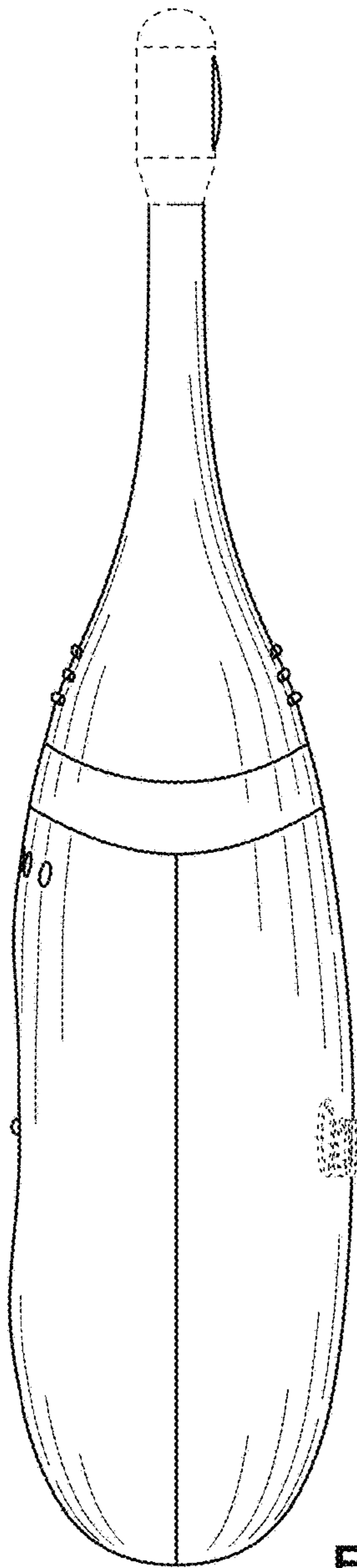


FIG. 60

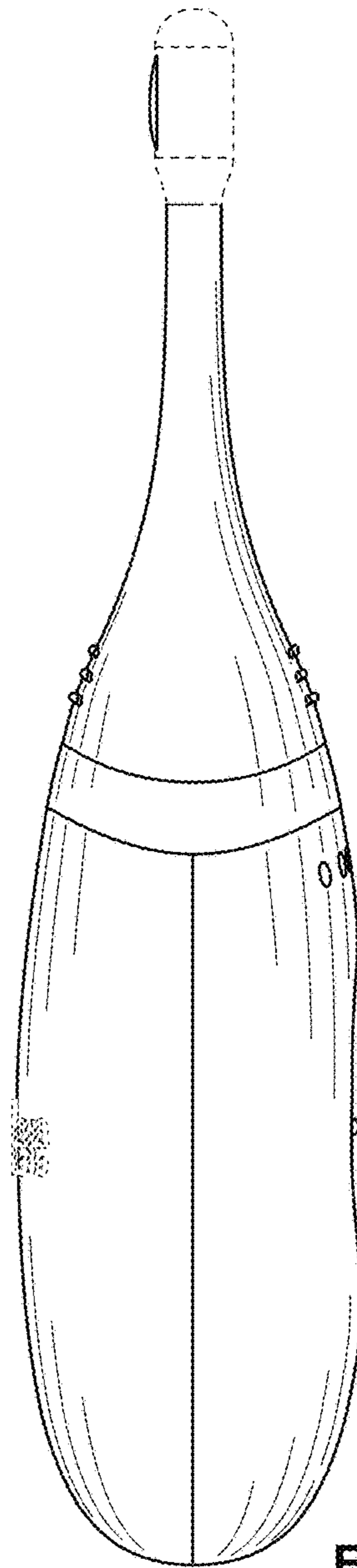


FIG. 61

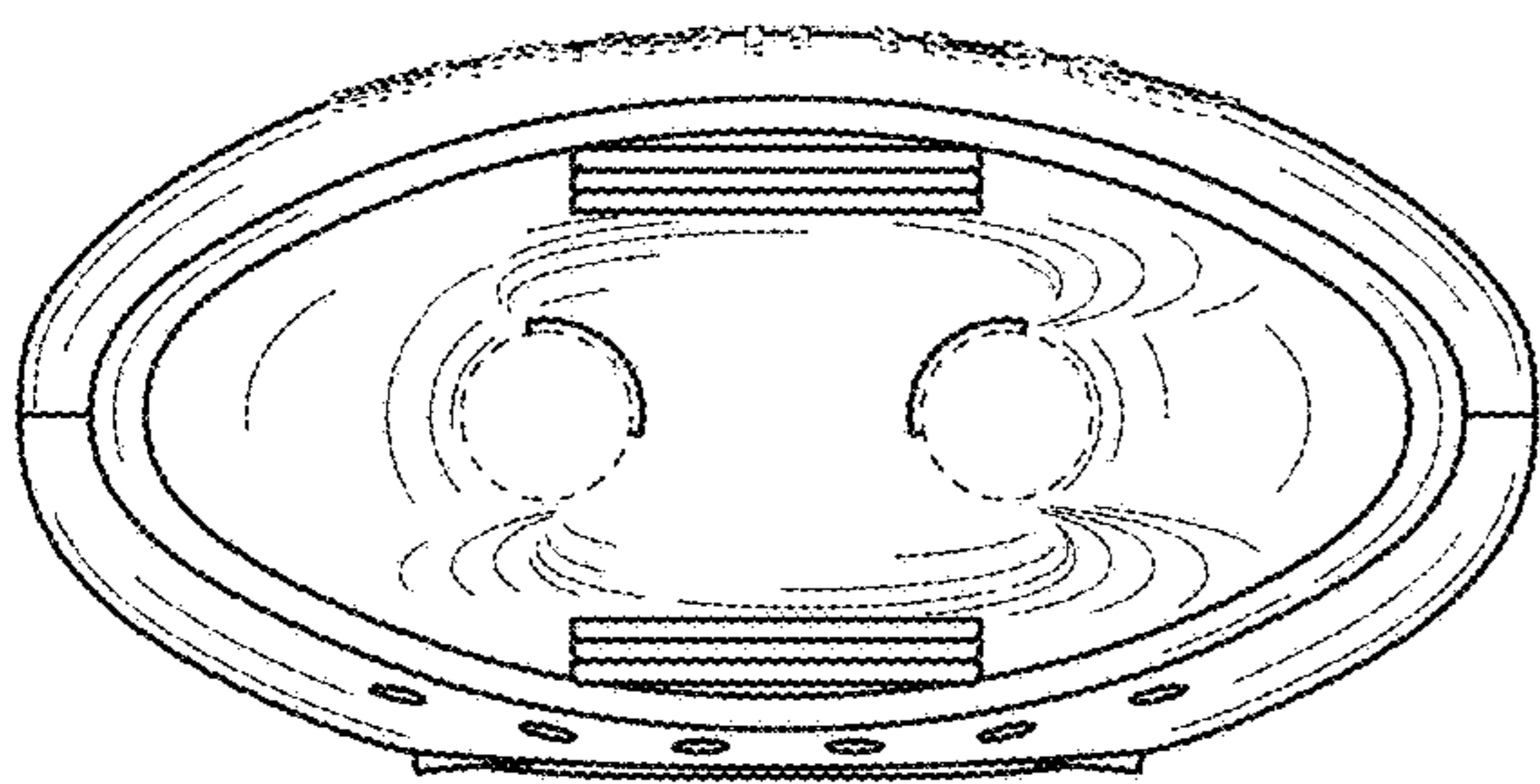


FIG. 62

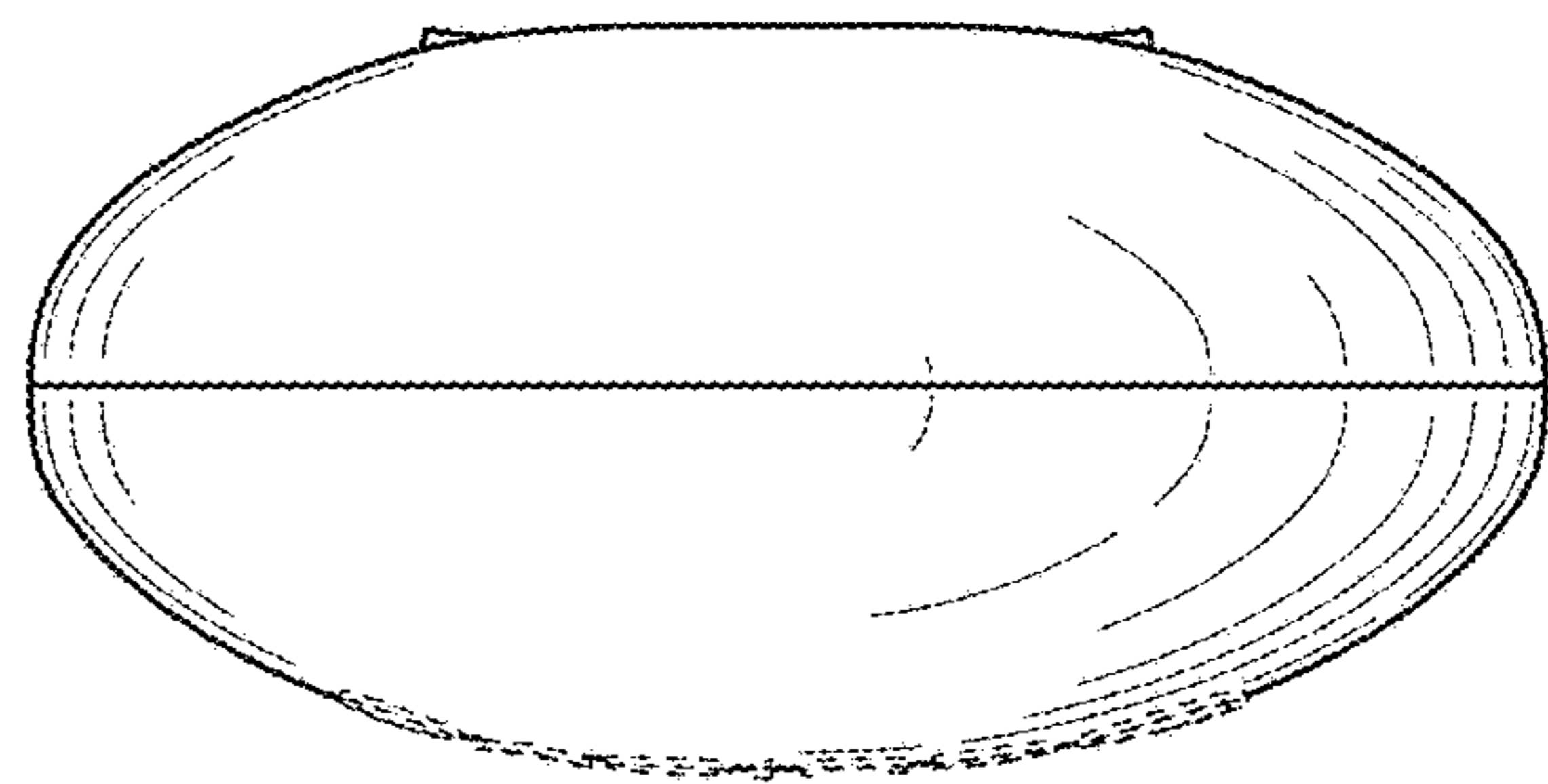


FIG. 63

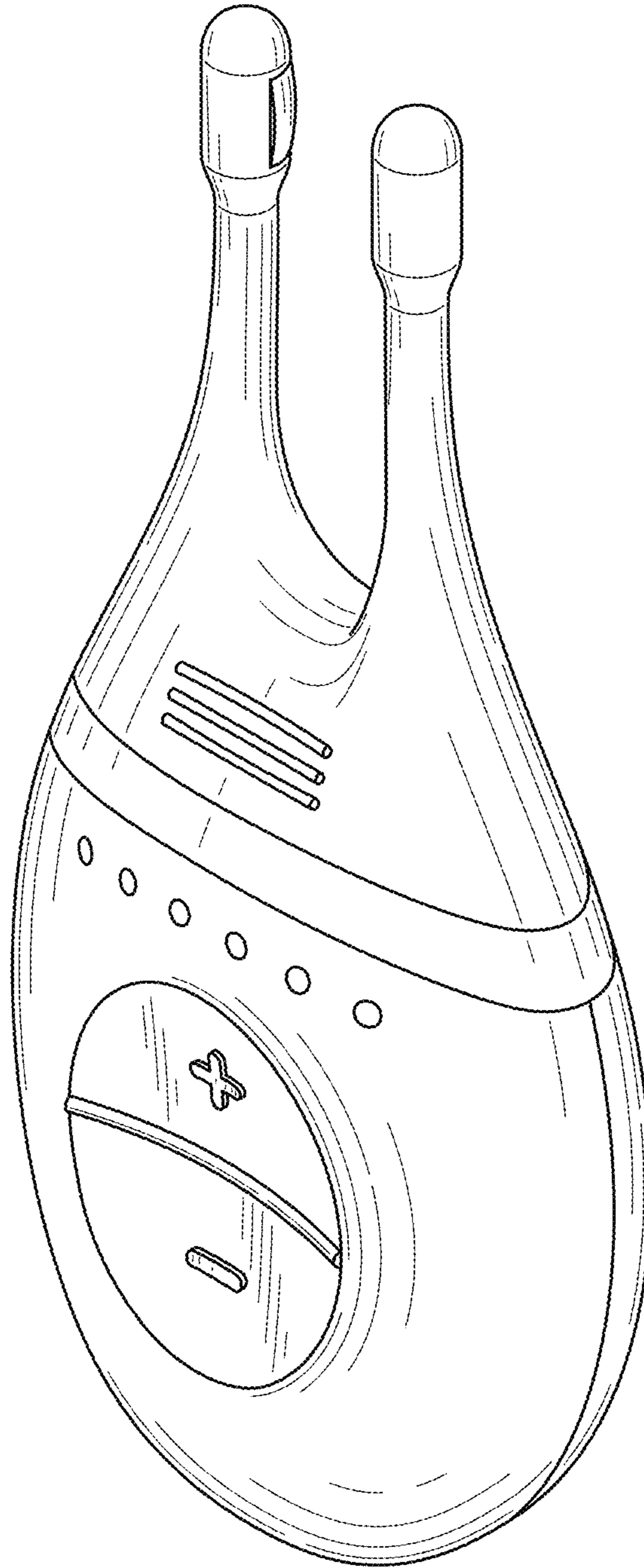


FIG. 64

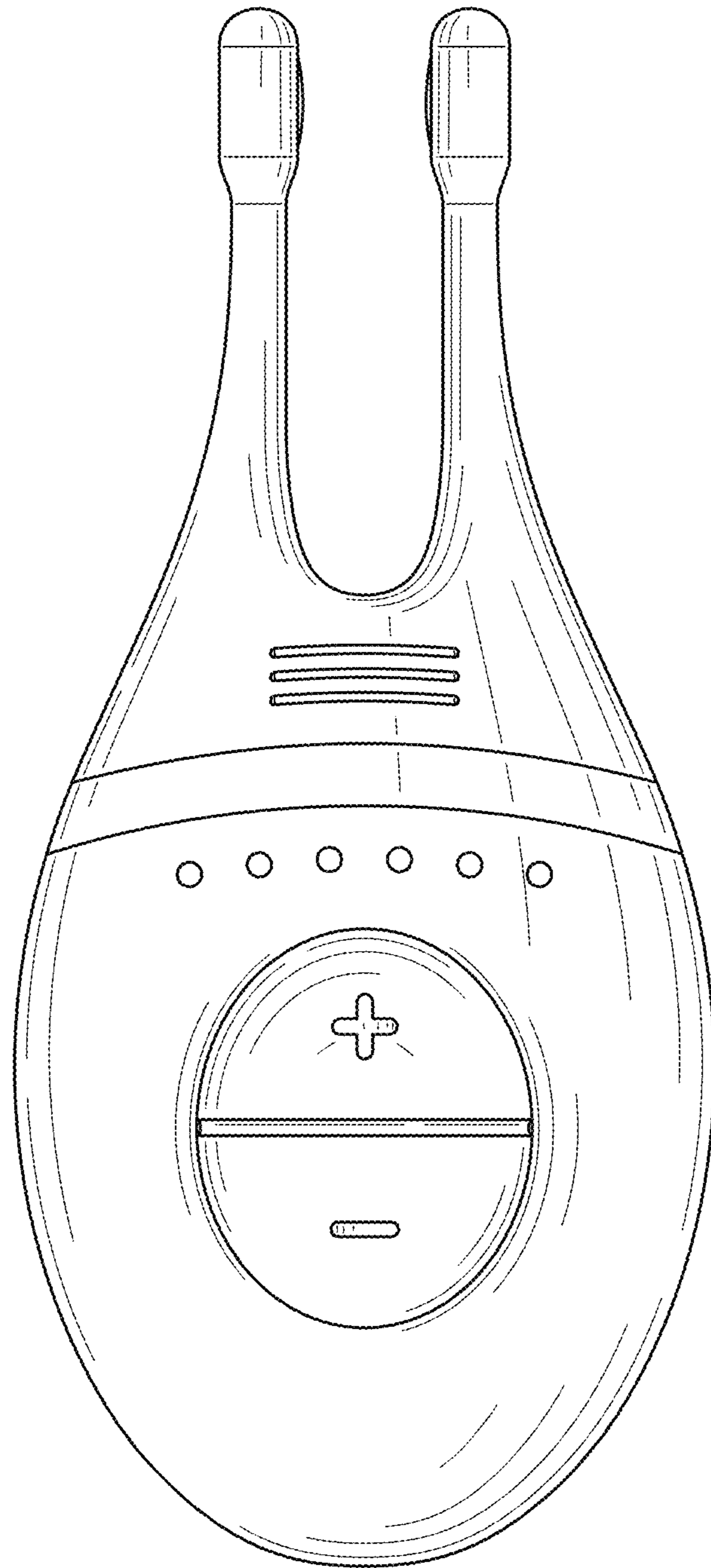


FIG. 65

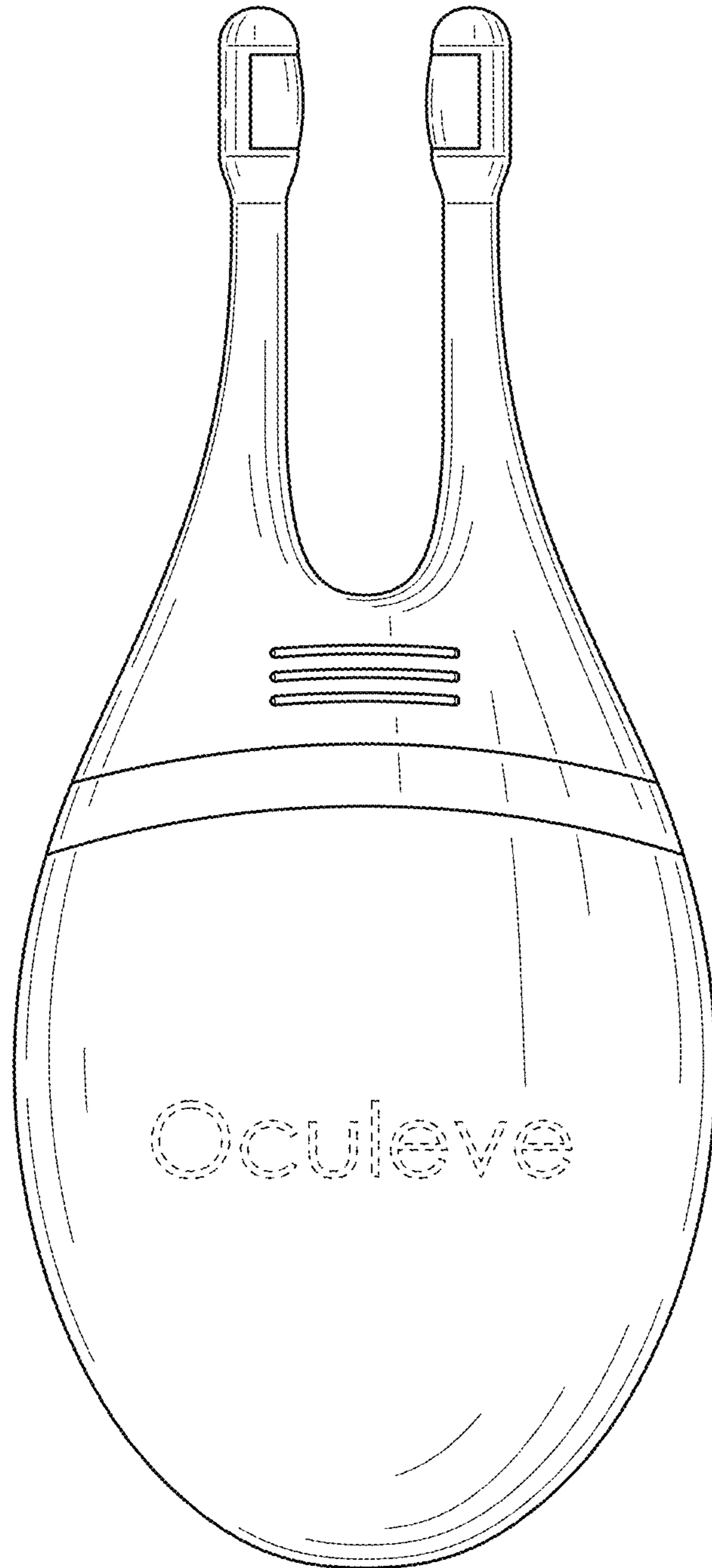


FIG. 66

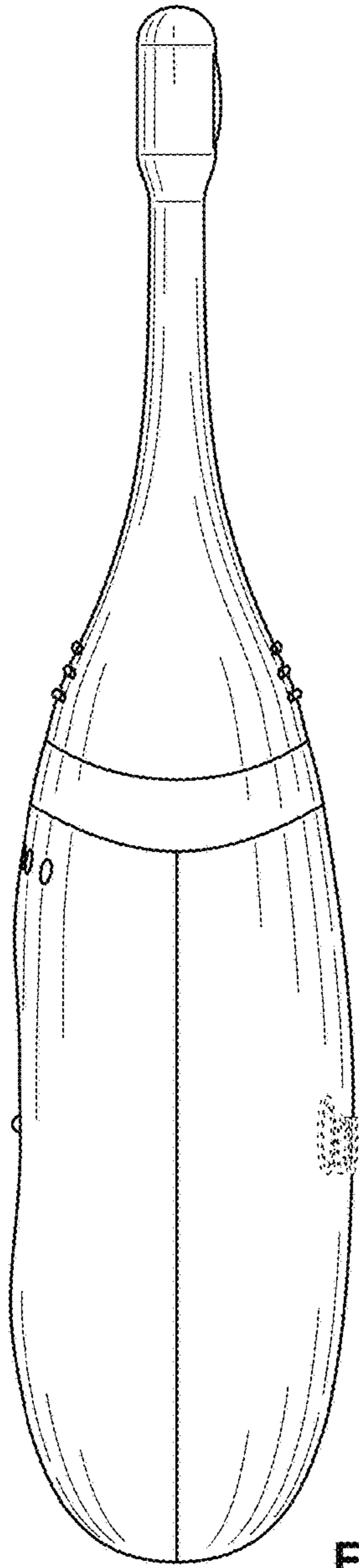


FIG. 67

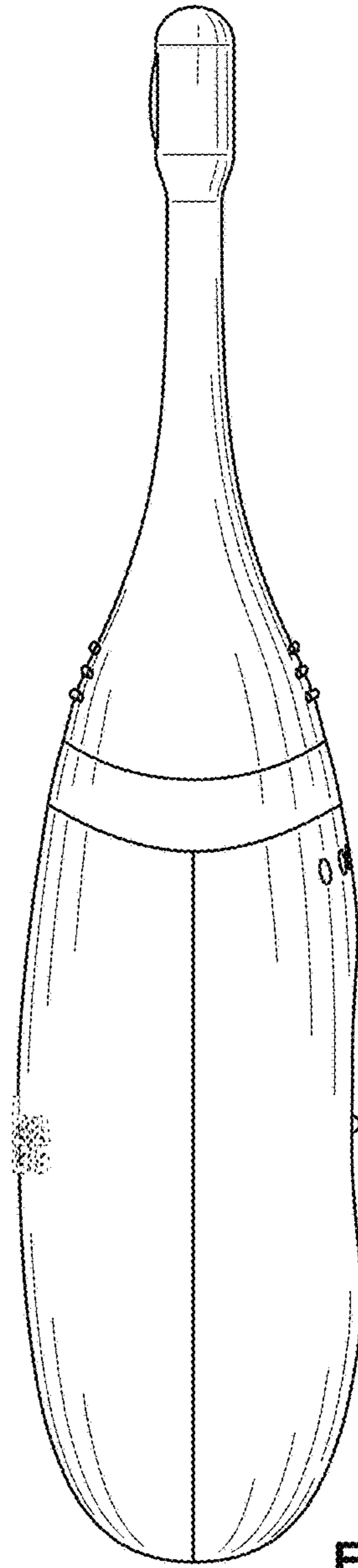


FIG. 68

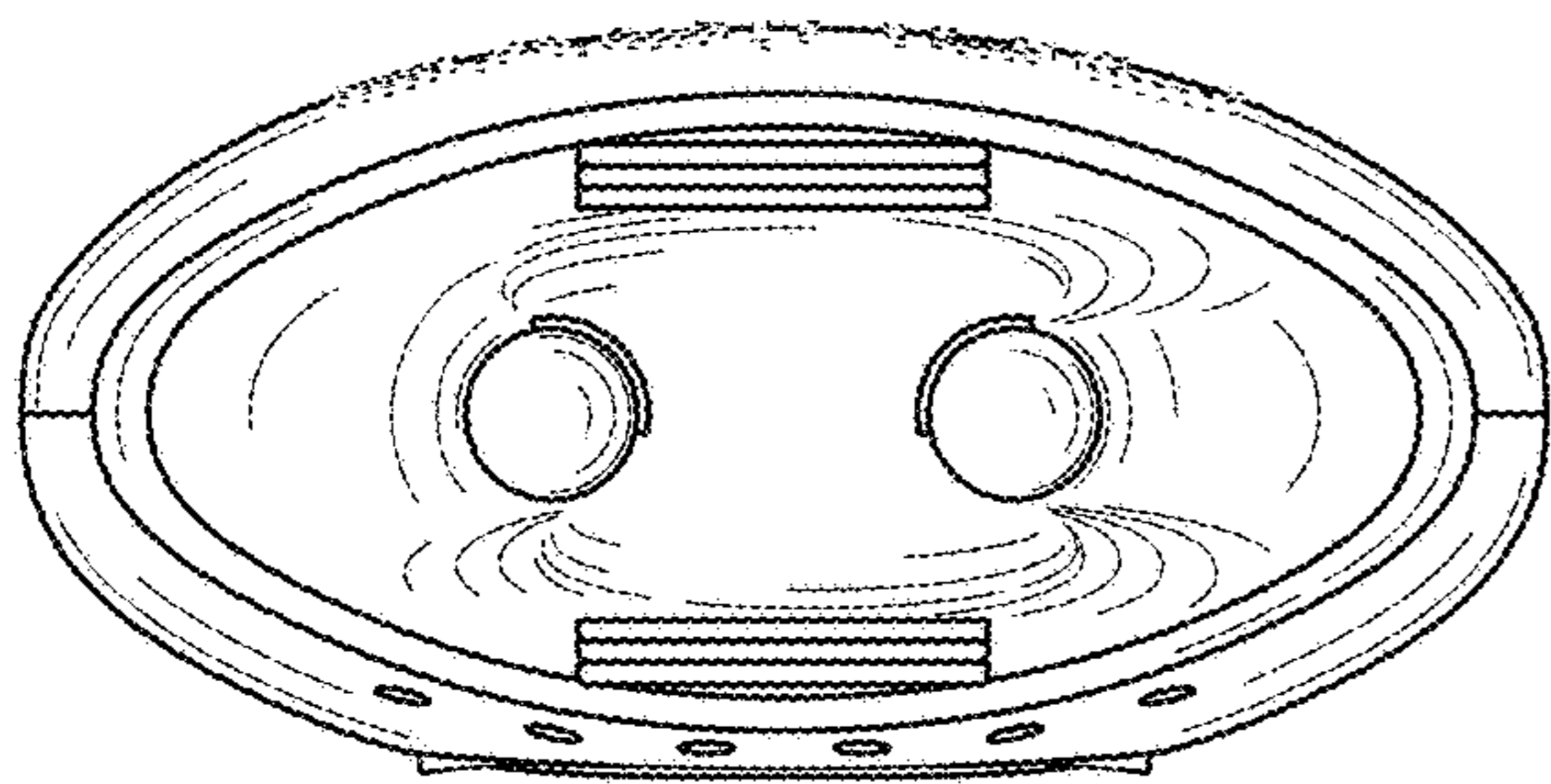


FIG. 69

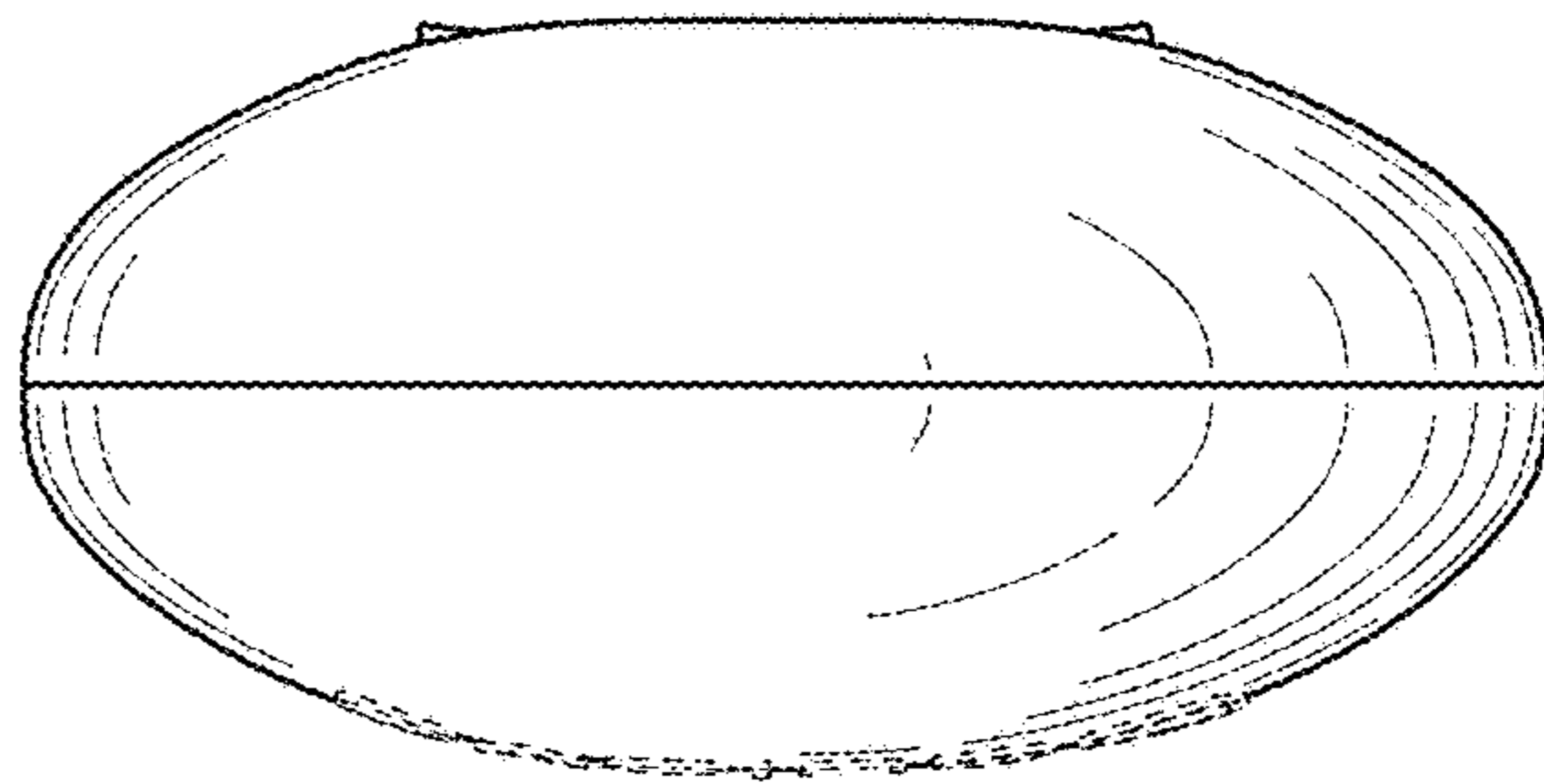


FIG. 70