



US00D755360S

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

(10) **Patent No.:** **US D755,360 S**

(45) **Date of Patent:** **** May 3, 2016**

- (54) **AUTOMOTIVE IONIZER**
- (71) Applicant: **V.S. Industry Berhad**, Johor (MY)
- (72) Inventors: **Sem Yam Gan**, Johor (MY); **Choon Meng Teo**, Johor (MY)
- (73) Assignee: **NATURION PTE. LTD**, Bukit Merah Central (SG)
- (**) Term: **14 Years**
- (21) Appl. No.: **29/521,618**
- (22) Filed: **Mar. 25, 2015**
- (51) **LOC (10) Cl.** **28-99**
- (52) **U.S. Cl.**
USPC **D23/366**
- (58) **Field of Classification Search**
USPC D23/355–369; D28/5, 6; 261/DIG. 17,
261/DIG. 42, DIG. 47, DIG. 55, DIG. 65,
261/DIG. 70, DIG. 88, DIG. 89; 392/386,
392/394, 395; 239/34, 44, 53
CPC A61L 9/02; A61L 9/037; A61L 9/03;
A61L 9/04; A61L 9/12; A61L 9/127; A61L
9/22
See application file for complete search history.

| | | | |
|--------------|---------|------------------|---------|
| D544,594 S | 6/2007 | Zobebe | |
| D546,432 S | 7/2007 | Hundertmark | |
| D546,433 S * | 7/2007 | Wu | D23/366 |
| D551,333 S | 9/2007 | Wu | |
| D593,670 S * | 6/2009 | Valentino | D23/366 |
| D621,021 S | 8/2010 | Koenig et al. | |
| D621,923 S * | 8/2010 | Koenig | D23/366 |
| 7,767,165 B2 | 8/2010 | Lau et al. | |
| 7,801,464 B2 | 9/2010 | Kagawa et al. | |
| D629,881 S | 12/2010 | Valentino et al. | |
| 7,846,227 B2 | 12/2010 | Gotoh et al. | |
| D631,954 S | 2/2011 | Bertassi et al. | |
| 7,973,291 B2 | 7/2011 | Kagawa et al. | |
| 8,073,365 B2 | 12/2011 | Adachi et al. | |
| D663,400 S * | 7/2012 | Hewson-Hyde | D23/366 |
| D663,401 S * | 7/2012 | Hewson-Hyde | D23/366 |
| D663,403 S * | 7/2012 | Brandenburg | D23/366 |
| D664,246 S * | 7/2012 | Irvin | D23/356 |

(Continued)

FOREIGN PATENT DOCUMENTS

| | | |
|----|-------------|---------|
| CN | 2590225 Y | 12/2003 |
| CN | 1492555 A | 4/2004 |
| CN | 102280348 A | 12/2011 |

Primary Examiner — Sandra Snapp
(74) *Attorney, Agent, or Firm* — McGarry Bair PC

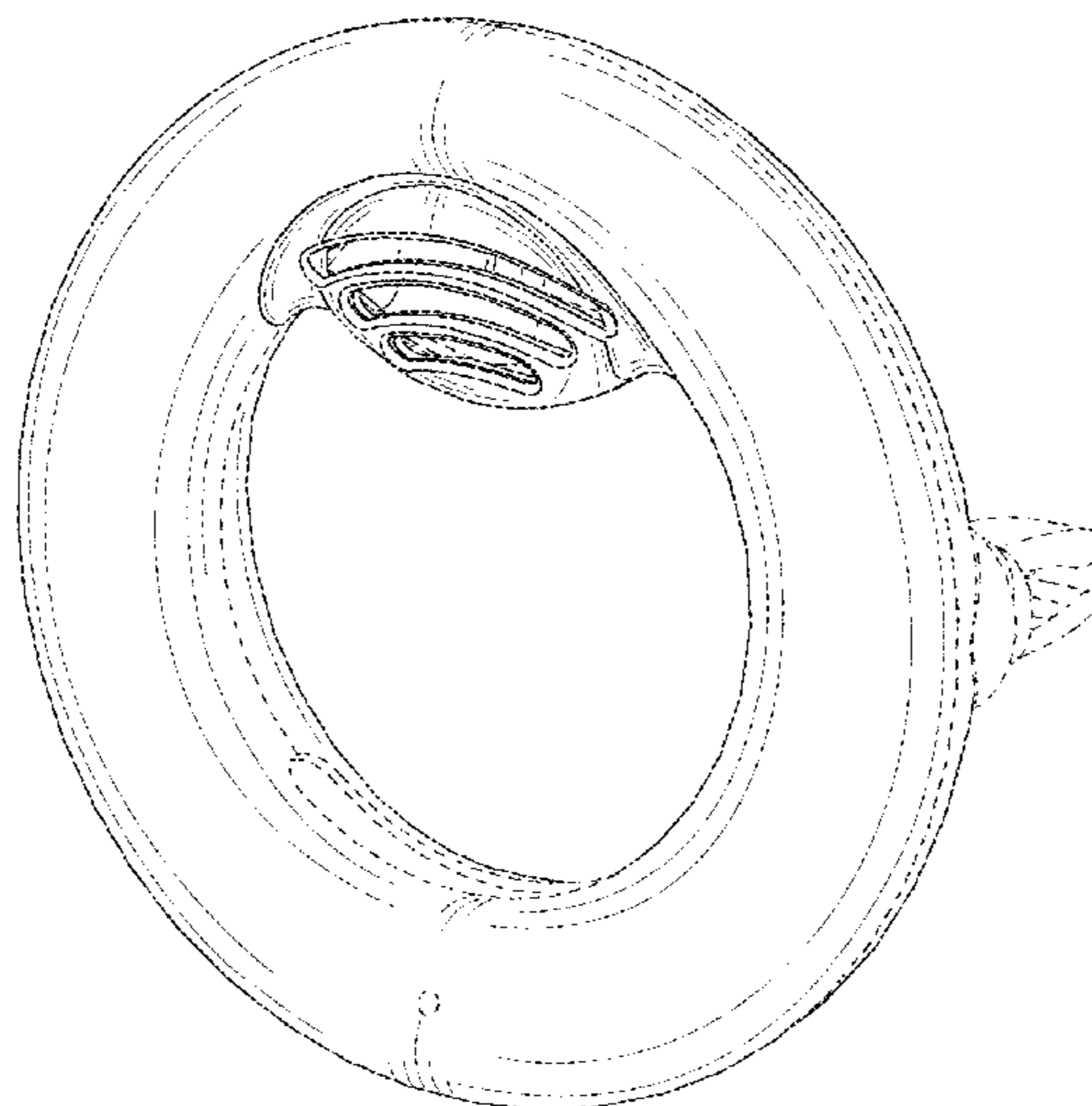
(57) **CLAIM**
The ornamental design for an automotive ionizer, as shown and described.

DESCRIPTION

FIG. 1 is a front right perspective view of an automotive ionizer which embodies our design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a top view thereof; and,
FIG. 7 is a bottom view thereof.

1 Claim, 4 Drawing Sheets

- (56) **References Cited**
U.S. PATENT DOCUMENTS
- | | | | |
|--------------|---------|---------------------|---------|
| 4,877,428 A | 10/1989 | Zorloni | |
| 5,043,840 A | 8/1991 | Yehl et al. | |
| D373,626 S | 9/1996 | Dente et al. | |
| D440,290 S | 4/2001 | Pinchuk | |
| D466,994 S | 12/2002 | Yuen | |
| D486,901 S * | 2/2004 | Sorribes | D23/366 |
| D532,093 S * | 11/2006 | Helf | D23/366 |
| D532,892 S | 11/2006 | Koon | |
| D534,640 S * | 1/2007 | Helf | D23/366 |
| D535,379 S | 1/2007 | Hundertmark | |
| 7,215,526 B2 | 5/2007 | Constantinos et al. | |



(56)

References Cited

U.S. PATENT DOCUMENTS

| | | | | | | | |
|----------------|---------|--------------------|----------------------|-------------------|---------|------------------|------------------------|
| D666,284 S * | 8/2012 | Robinson | D23/368 | D719,249 S | 12/2014 | Lim | |
| D676,540 S * | 2/2013 | Sanders | D23/366 | D724,193 S * | 3/2015 | Esses | D23/366 |
| 8,485,454 B1 * | 7/2013 | Irvin | A61L 9/125 239/34 | 2005/0063207 A1 | 3/2005 | Tsay | |
| D709,172 S | 7/2014 | Brandenburg et al. | | 2005/0127538 A1 * | 6/2005 | Fabrega | A01M 1/2033 261/104 |
| 8,809,802 B2 | 8/2014 | Sung et al. | | 2006/0073085 A1 | 4/2006 | Chen et al. | |
| D716,427 S | 10/2014 | Lim et al. | | 2012/0138637 A1 * | 6/2012 | Ciavarella | A44C 5/0023 222/175 |
| | | | | 2013/0120895 A1 | 5/2013 | Lai | |

* cited by examiner

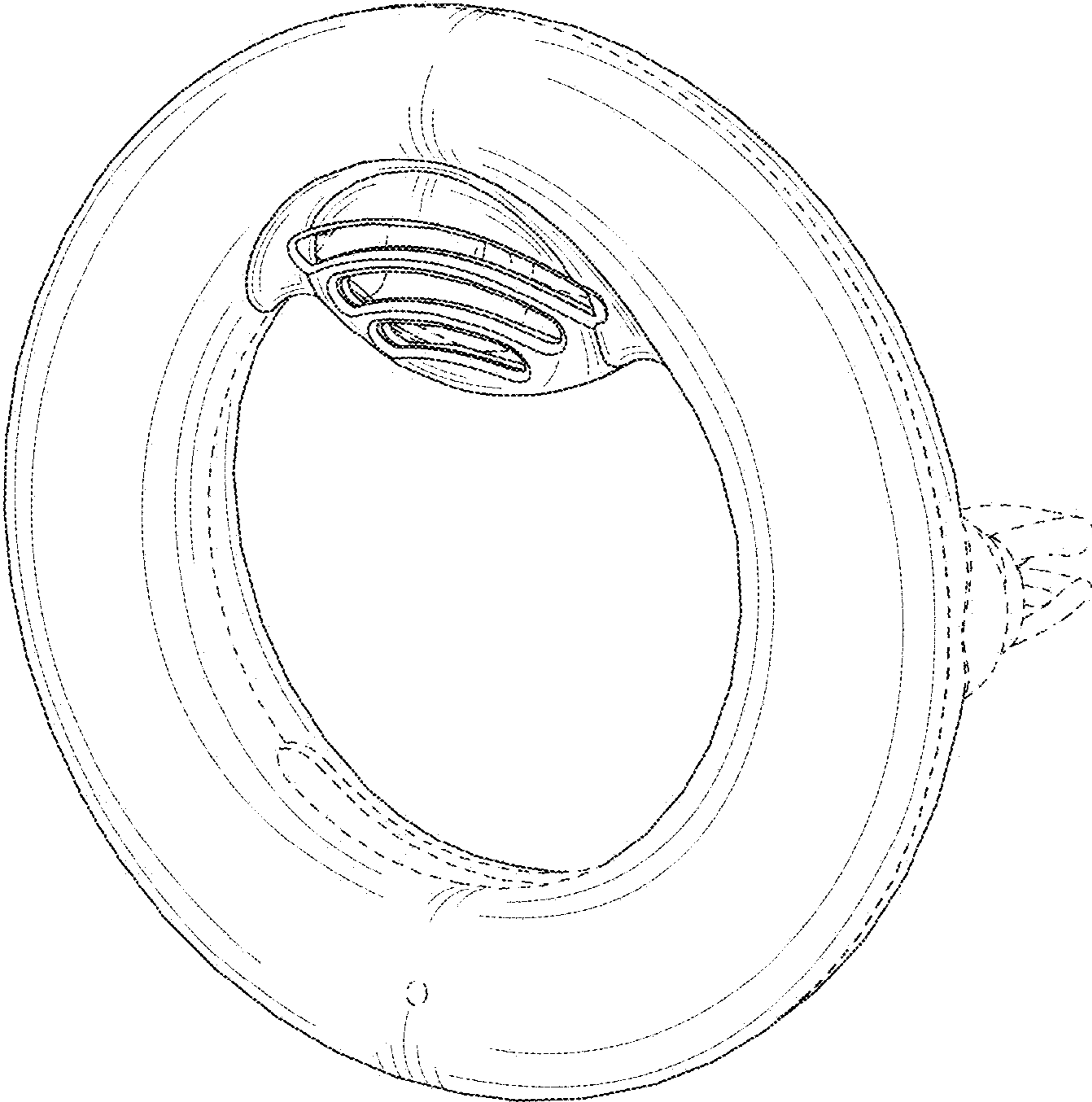


FIG. 1

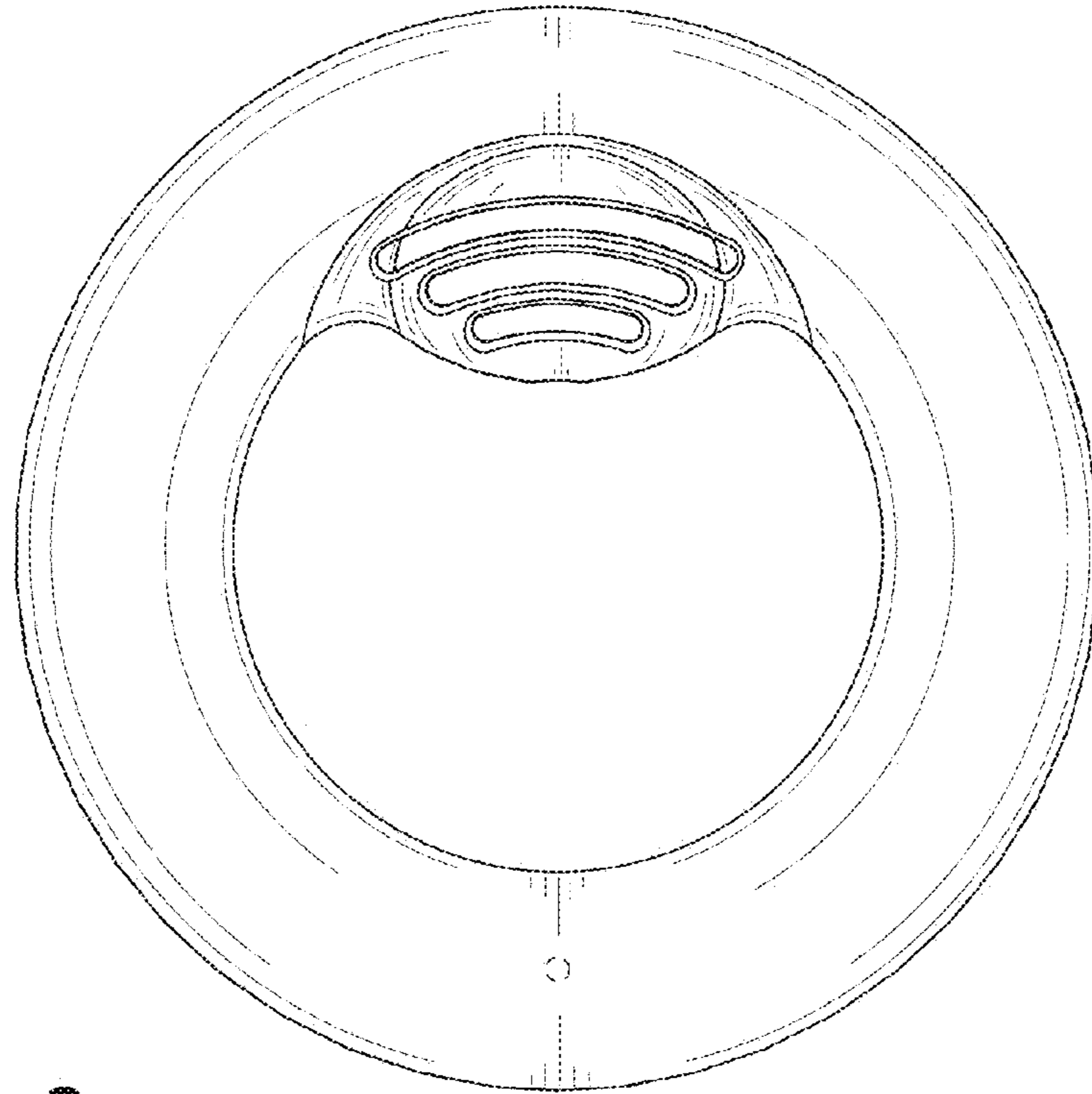


FIG. 2

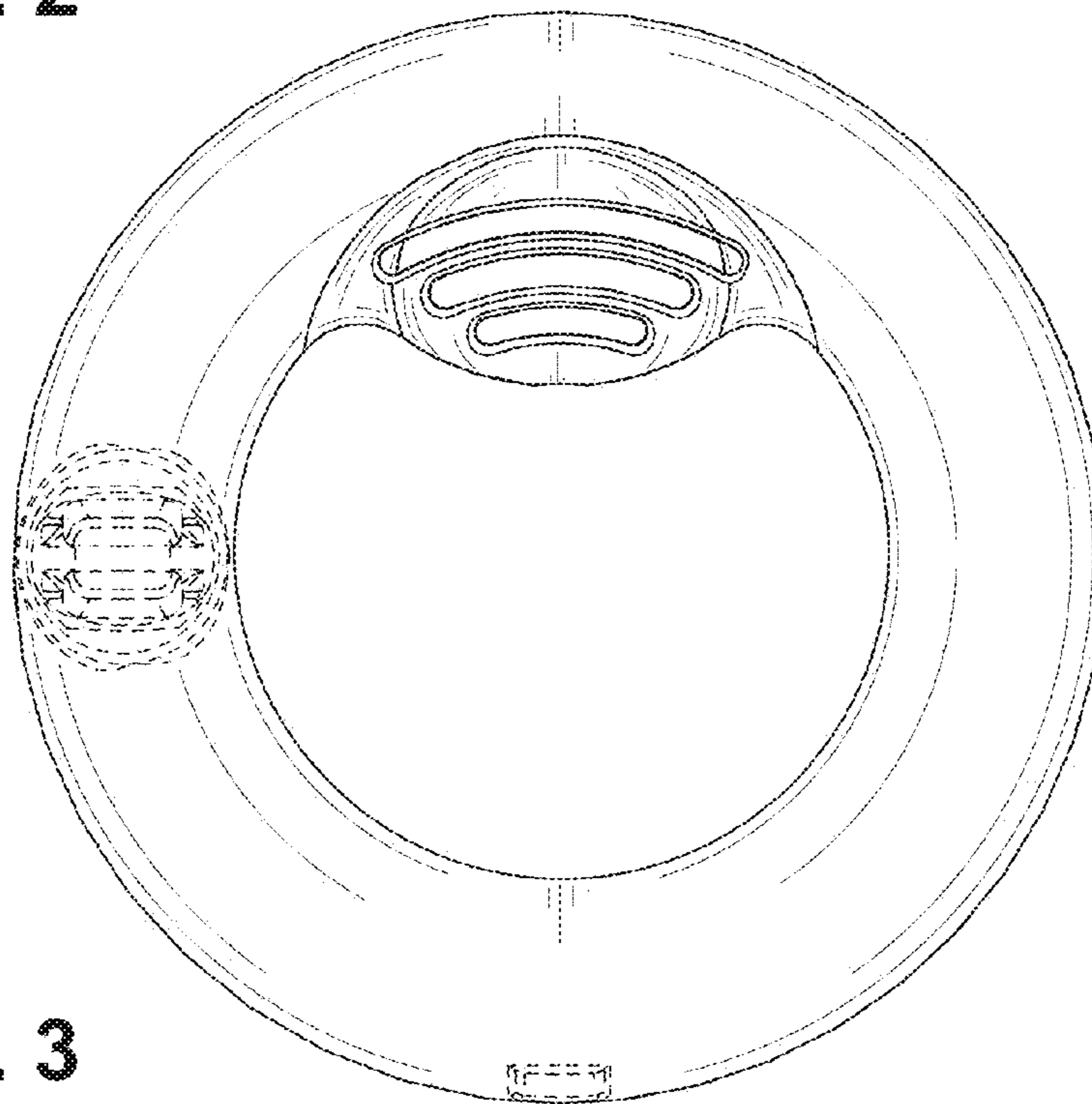


FIG. 3

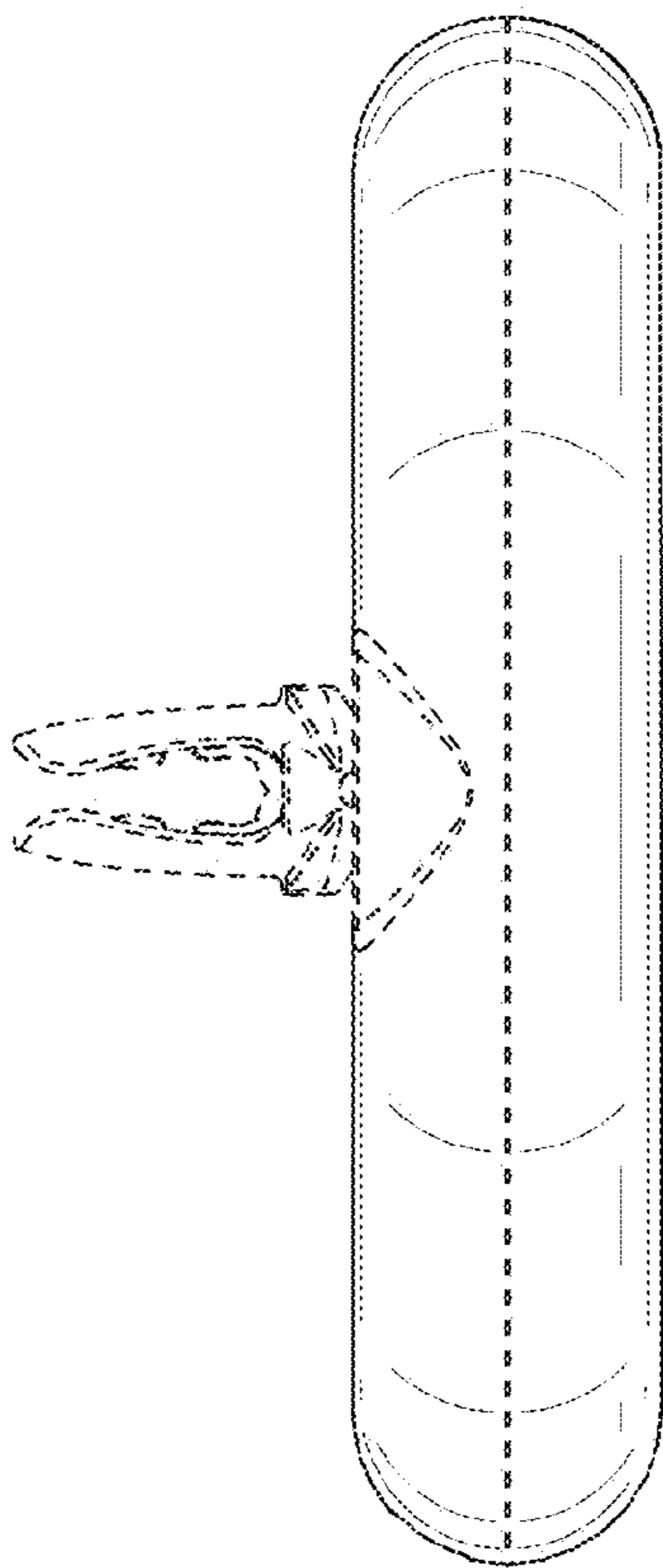


FIG. 4

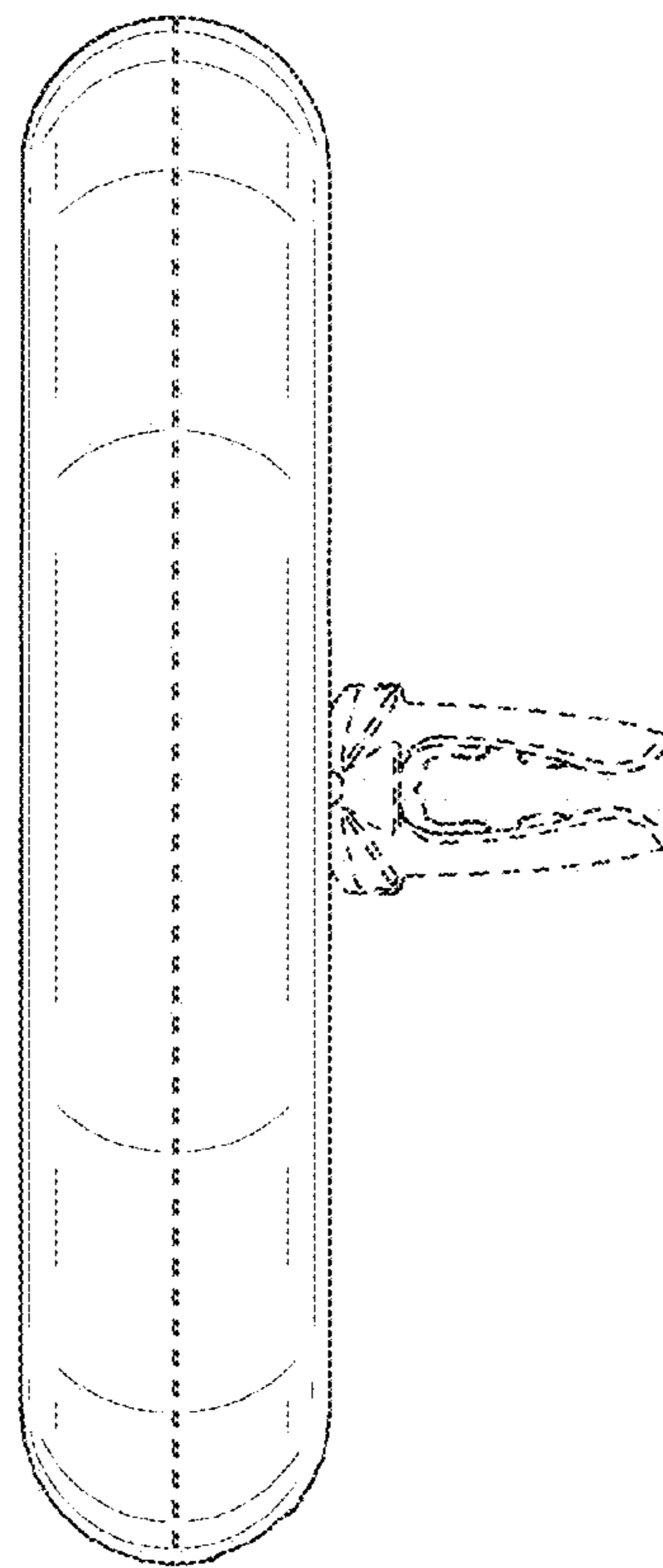


FIG. 5

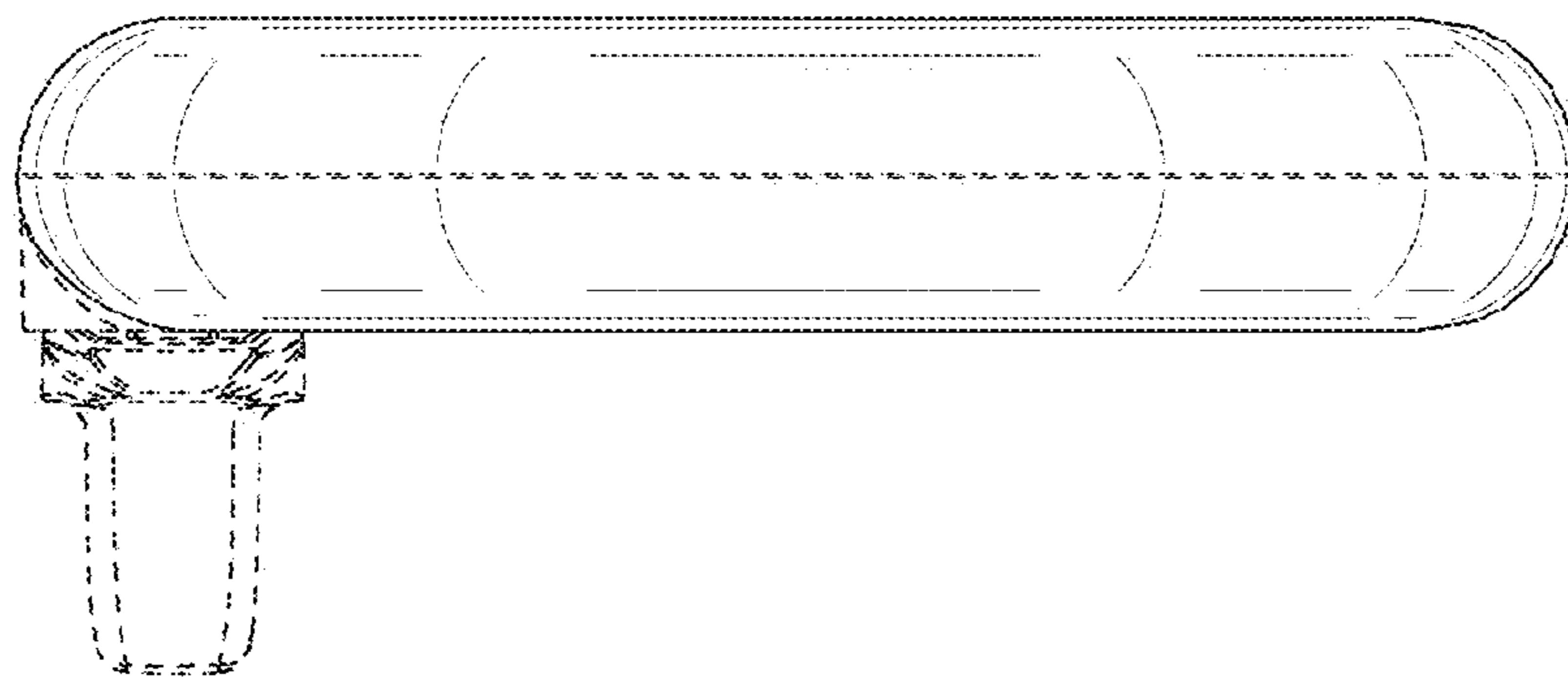


FIG. 6

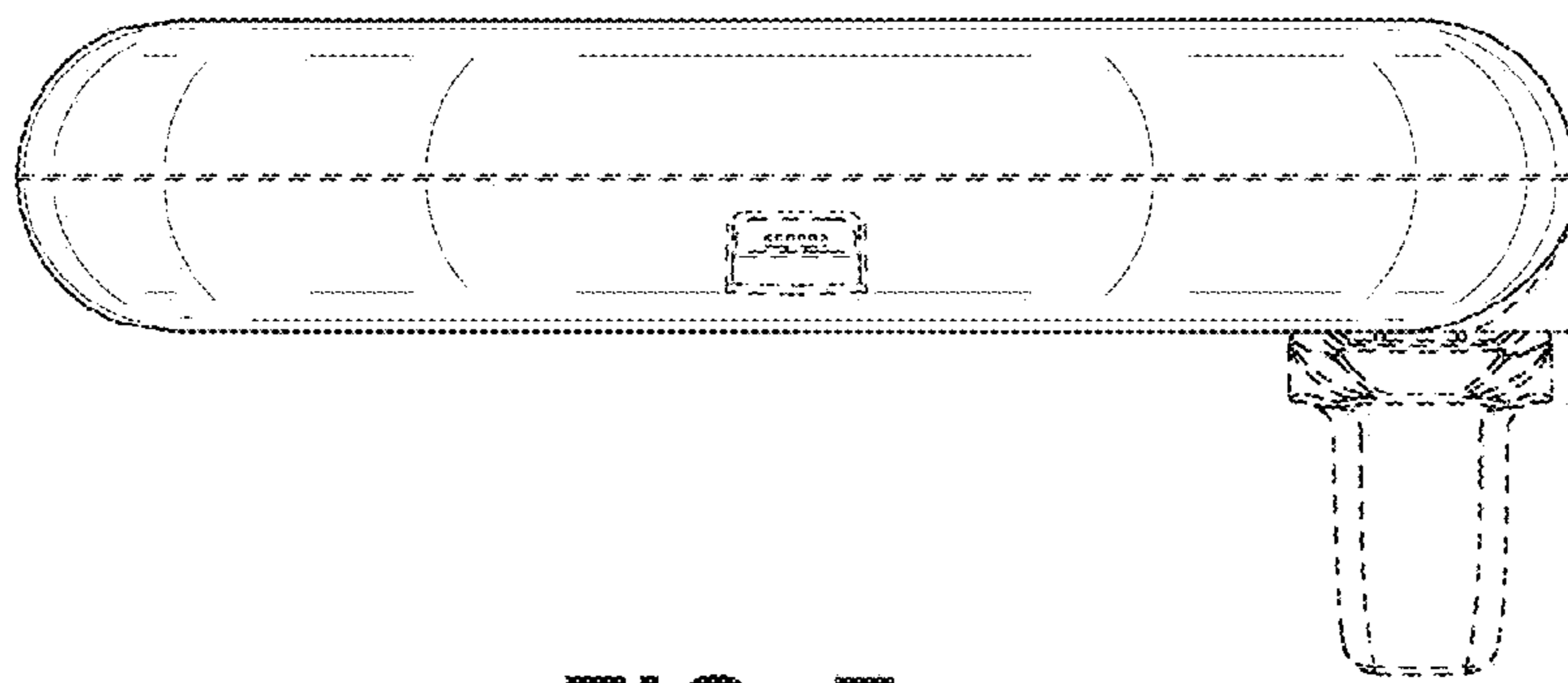


FIG. 7