



US00D960872S

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

(10) **Patent No.:** **US D960,872 S**  
(45) **Date of Patent:** **\*\* Aug. 16, 2022**

(54) **EARPHONE**

(71) Applicant: **BEIJING XIAOMI MOBILE SOFTWARE CO., LTD.**, Beijing (CN)

(72) Inventors: **Hongyu Chen**, Beijing (CN); **Long Chen**, Beijing (CN)

(73) Assignee: **BEIJING XIAOMI MOBILE SOFTWARE CO., LTD.**, Beijing (CN)

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

(21) Appl. No.: **29/735,711**

(22) Filed: **May 22, 2020**

(30) **Foreign Application Priority Data**

Nov. 25, 2019 (CN) ..... 201930651748.1

(51) **LOC (13) Cl.** ..... **14-01**

(52) **U.S. Cl.**  
USPC ..... **D14/223**

(58) **Field of Classification Search**  
USPC ..... D14/223, 205; D24/174; 128/864-866;  
381/380, 381, 322, 328; 455/90.3, 575.1,  
455/569.1  
CPC ..... H04R 1/10; H04R 25/00; H04R 25/02;  
H04R 1/1066; H04R 1/1016; H04R  
5/033; H04R 5/0335; H04R 1/105; H04R  
1/1091

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D582,897 S \* 12/2008 Christopher ..... D14/223  
D585,430 S \* 1/2009 Kim ..... D14/223  
D588,113 S \* 3/2009 Bradford ..... D14/223  
D590,377 S \* 4/2009 Bradford ..... D14/223  
D590,378 S \* 4/2009 Bradford ..... D14/223  
D590,813 S \* 4/2009 Bradford ..... D14/223  
D603,378 S \* 11/2009 Paradise ..... D14/223

D604,722 S \* 11/2009 Mistry ..... D14/223  
7,664,287 B2 \* 2/2010 Neu ..... H04R 3/00  
381/381  
D620,927 S \* 8/2010 Li ..... D14/223  
7,778,410 B2 \* 8/2010 Liu ..... H04M 1/05  
381/381  
D628,194 S \* 11/2010 Koch ..... D14/223  
D629,396 S \* 12/2010 Andre ..... D14/223  
D636,381 S \* 4/2011 Liner ..... D14/223  
7,925,037 B2 \* 4/2011 Te Riet ..... H04M 1/05  
381/381  
D640,242 S \* 6/2011 Fahrendorff ..... D14/223  
D641,739 S \* 7/2011 Huang ..... D14/223  
D643,420 S \* 8/2011 Huang ..... D14/223

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 306321265 \* 2/2021

*Primary Examiner* — Paula Allen Greene

(74) *Attorney, Agent, or Firm* — Syncoda LLC; Feng Ma

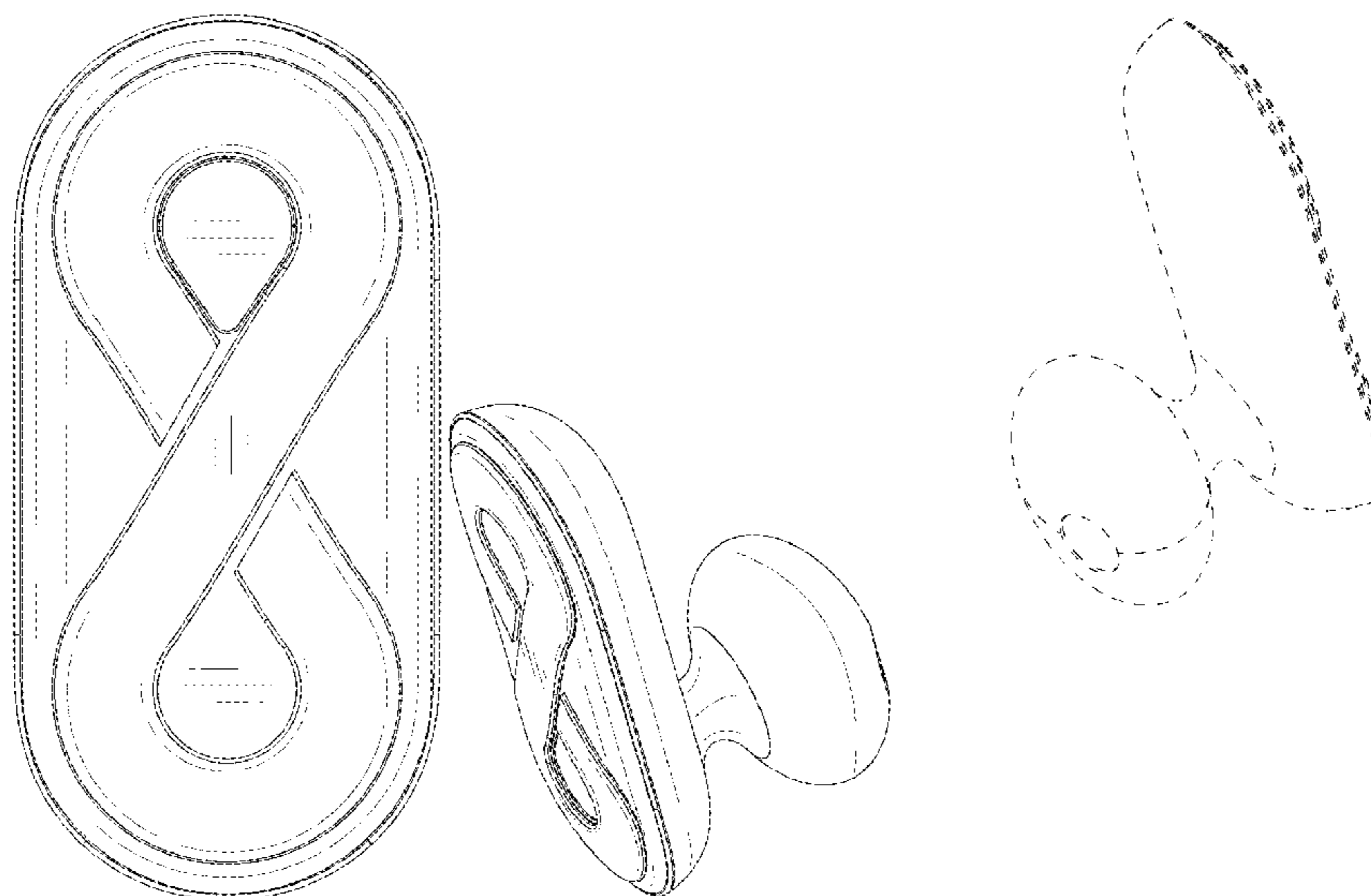
(57) **CLAIM**

The ornamental design for an earphone, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of an earphone showing the new design;  
FIG. 2 is a back view thereof;  
FIG. 3 is a left-side view thereof;  
FIG. 4 is a right-side view thereof;  
FIG. 5 is a top view thereof;  
FIG. 6 is a bottom view thereof;  
FIG. 7 is a top, right-side perspective view thereof;  
FIG. 8 is a back, left-side, bottom perspective view thereof showing the earphone used in pairs; and,  
FIG. 9 is a left-side, bottom perspective view thereof showing the earphone used in pairs.  
The broken lines depict portions of the earphone that form no part of the claimed design.

**1 Claim, 9 Drawing Sheets**



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

D649,957 S \* 12/2011 Fahrendorff ..... D14/223  
8,098,874 B2 \* 1/2012 Lu ..... H04M 1/05  
381/381  
D656,490 S \* 3/2012 Birger ..... D14/223  
8,139,808 B2 \* 3/2012 Liu ..... H04R 1/1066  
381/381  
D657,781 S \* 4/2012 Yang ..... D14/223  
D664,950 S \* 8/2012 Rye ..... D14/223  
8,285,208 B2 \* 10/2012 Terlizzi ..... H04M 1/05  
379/433.03  
D671,096 S \* 11/2012 Song ..... D14/223  
D675,600 S \* 2/2013 Koch ..... D14/223  
D691,120 S \* 10/2013 Koch ..... D14/223  
D693,796 S \* 11/2013 Birger ..... D14/223  
D705,751 S \* 5/2014 Wenger ..... D14/206  
D707,659 S \* 6/2014 Henning ..... D14/223  
D710,830 S \* 8/2014 Birger ..... D14/223  
D746,267 S \* 12/2015 Birger ..... D14/223  
D779,462 S \* 2/2017 Birger ..... D14/223  
D796,543 S \* 9/2017 Broughton ..... D14/489  
D820,240 S \* 6/2018 Holliday ..... D14/223  
D822,712 S \* 7/2018 Butcher ..... D14/488  
D841,691 S \* 2/2019 Rannanjärvi ..... D14/490  
D902,186 S \* 11/2020 Sun ..... D14/223  
2019/0200915 A1 \* 7/2019 Baker ..... A61B 5/486

\* cited by examiner

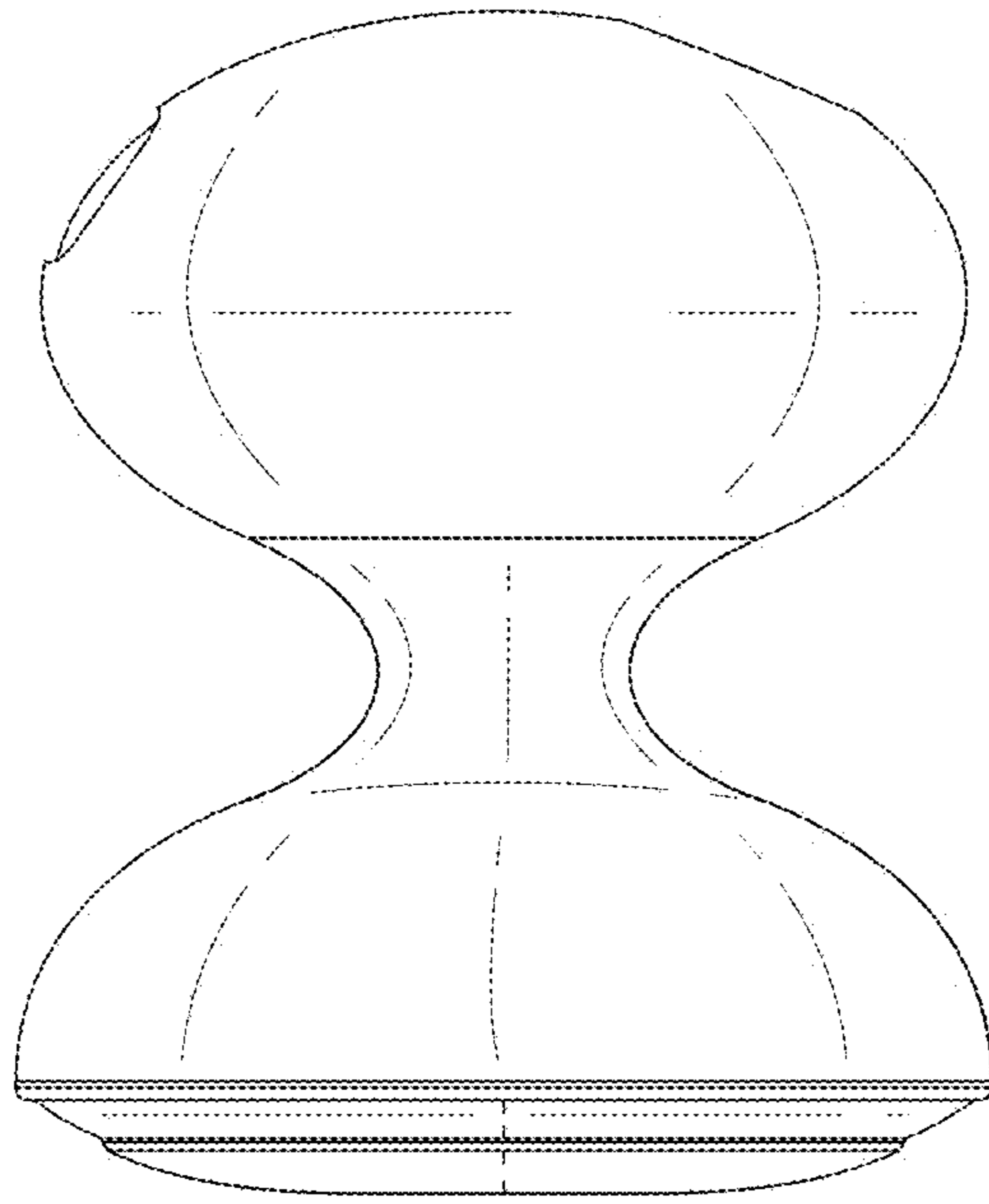


FIG. 1

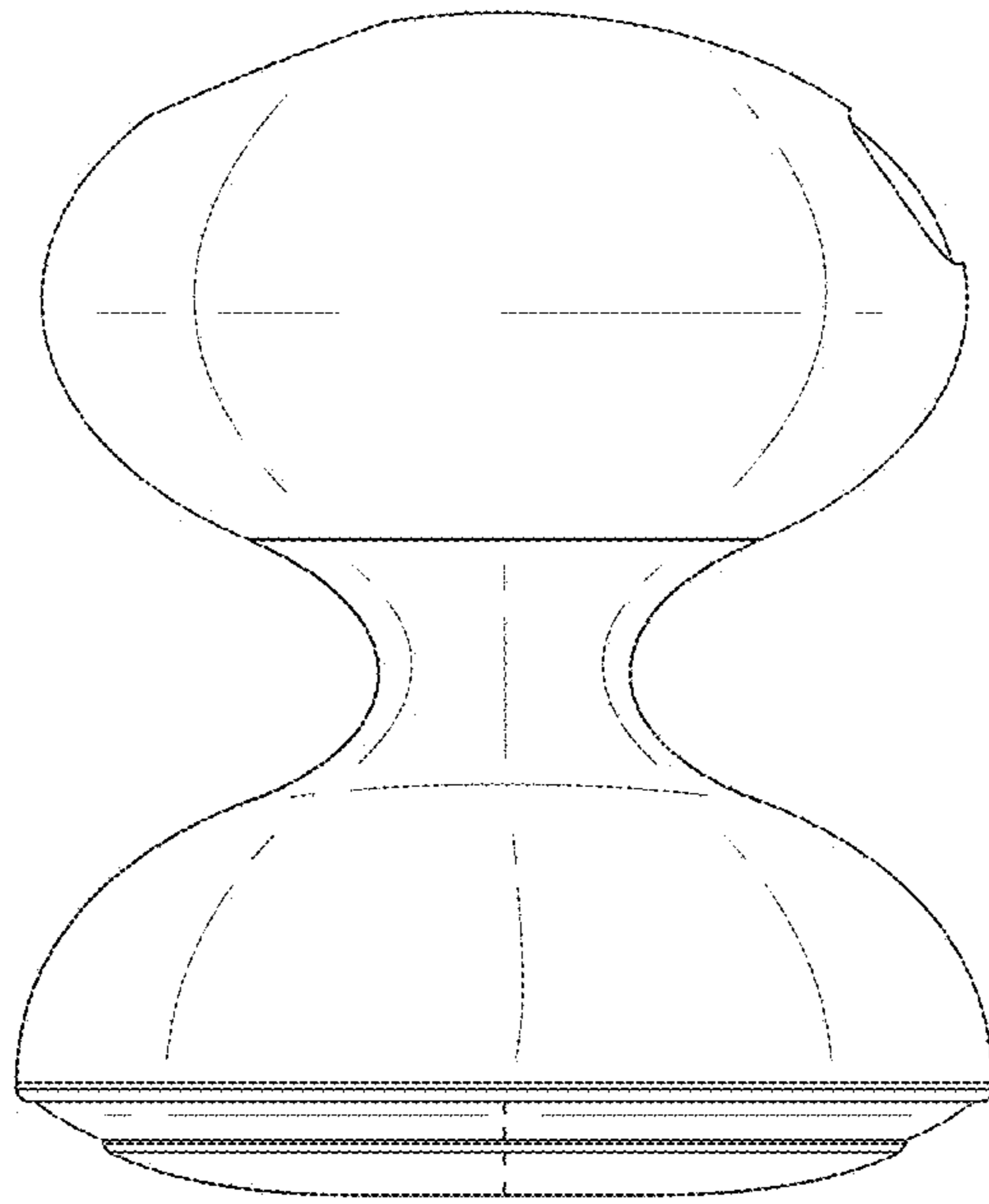


FIG. 2

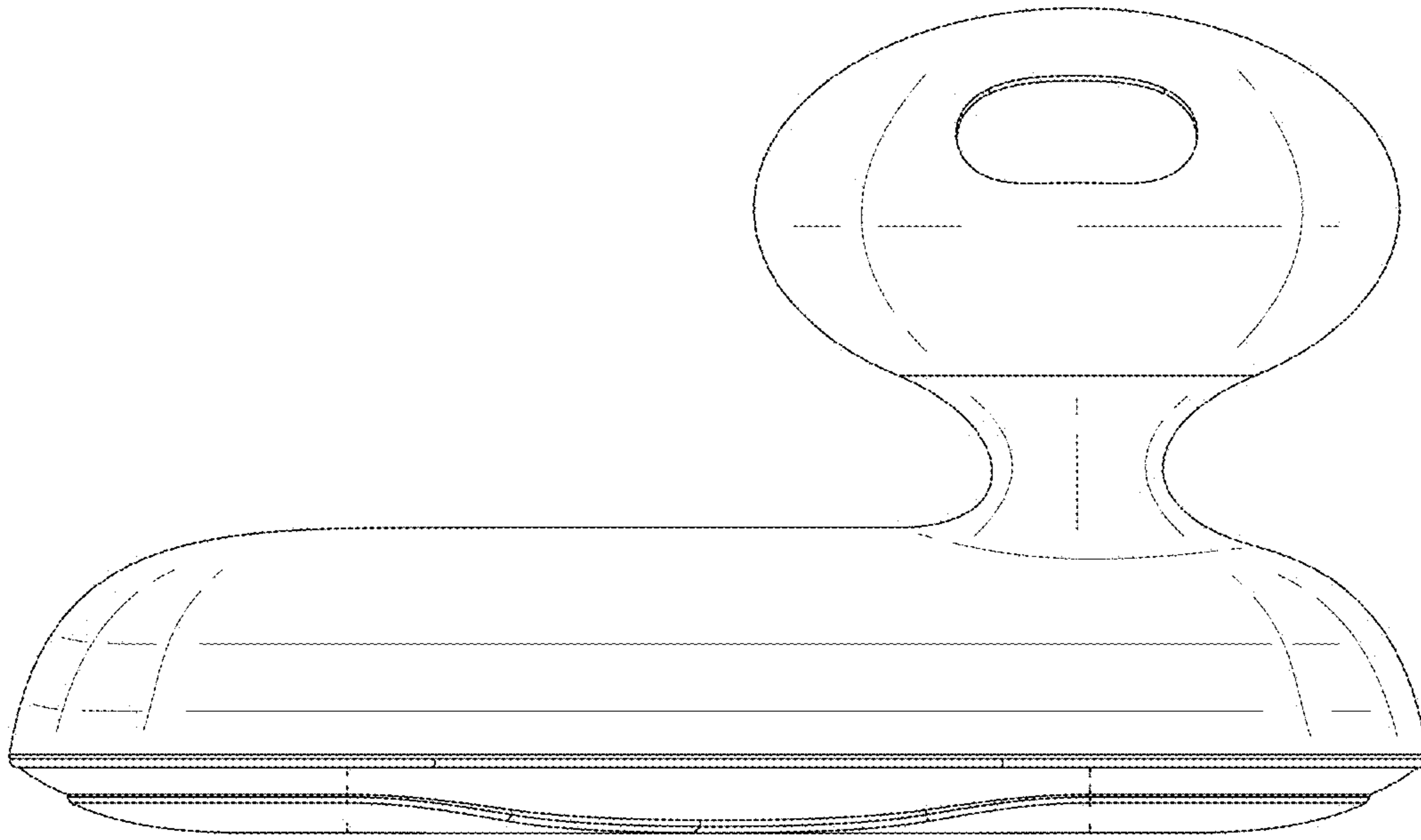


FIG. 3

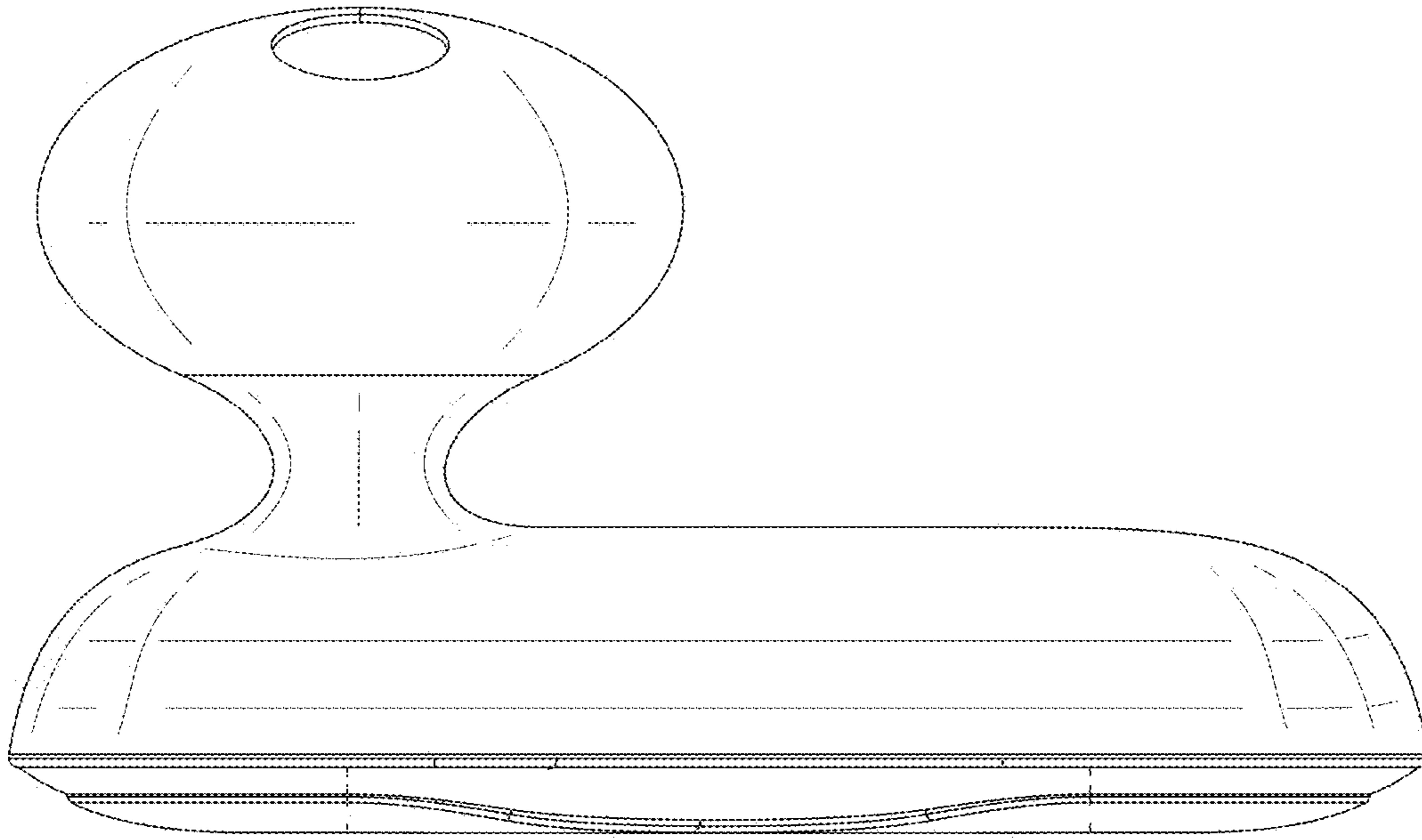


FIG. 4

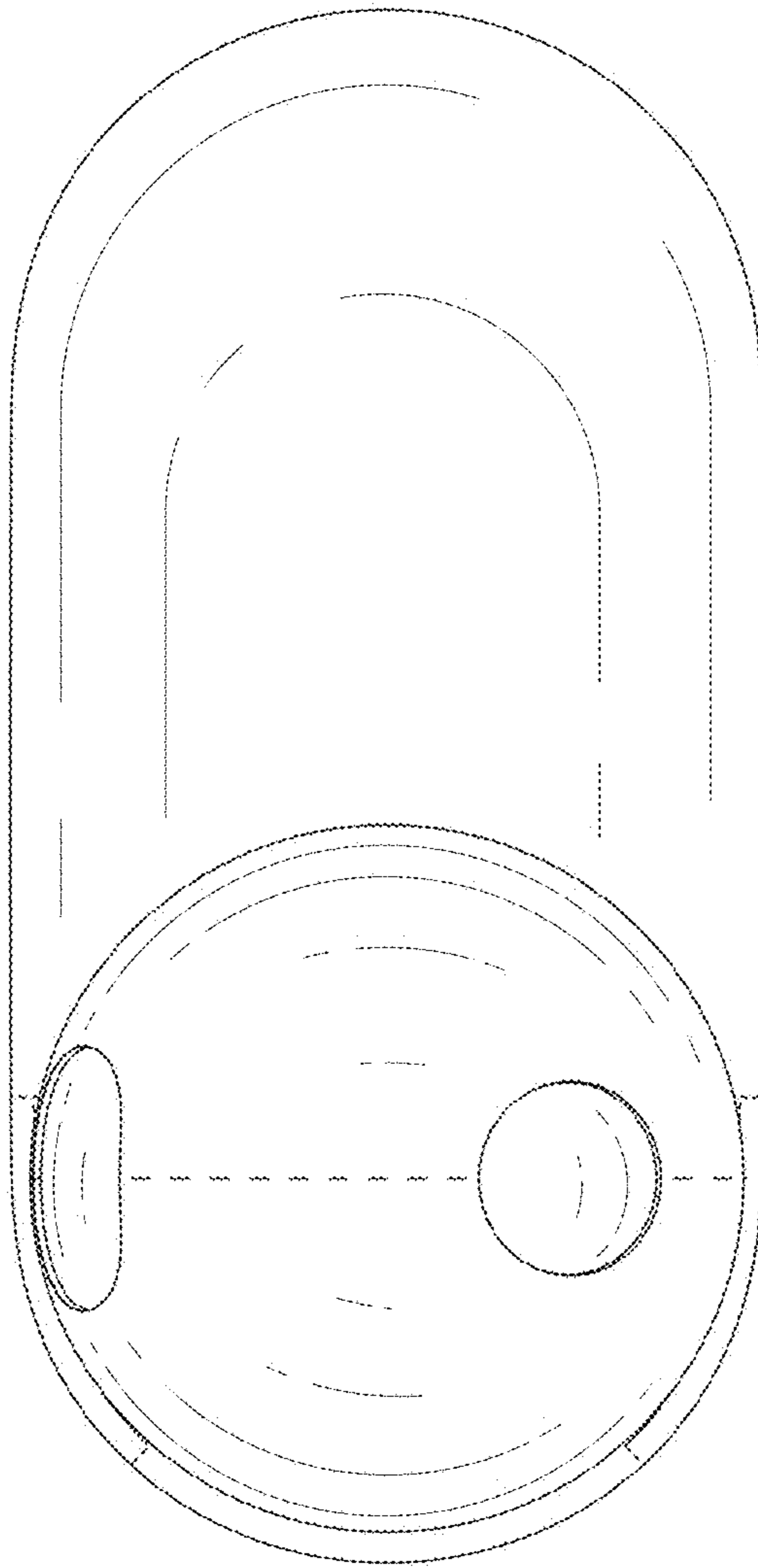


FIG. 5

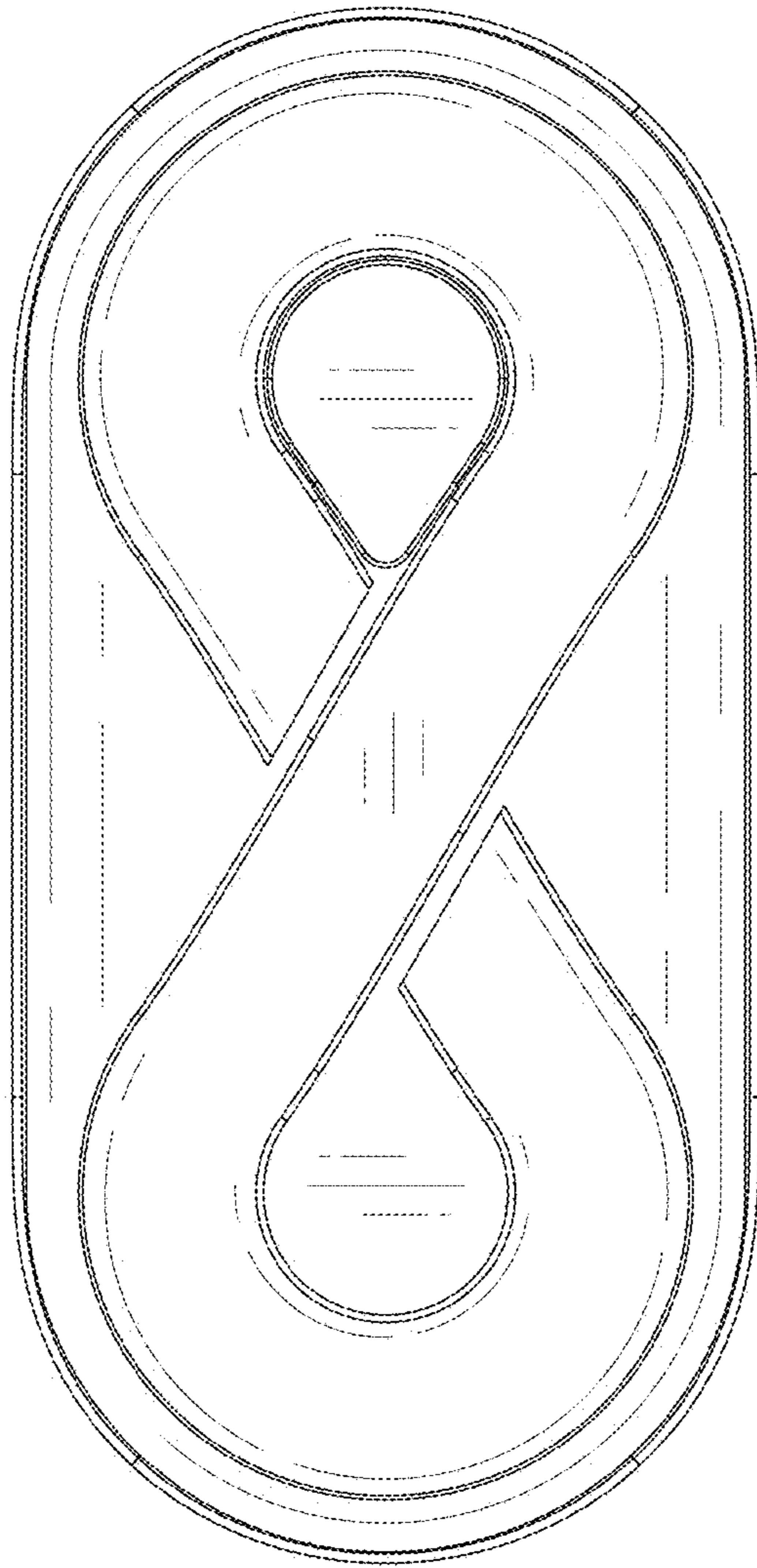


FIG. 6



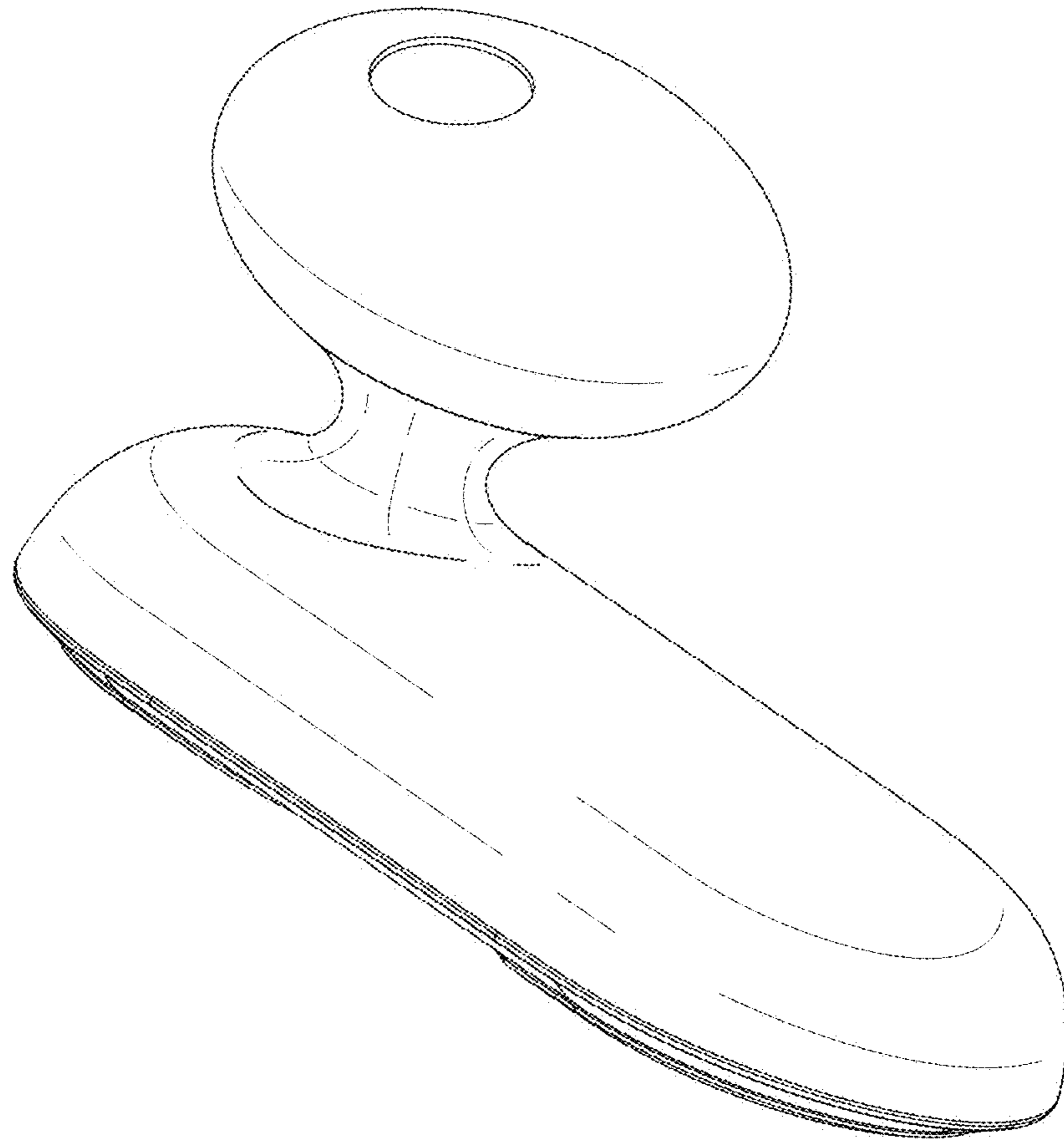


FIG. 7

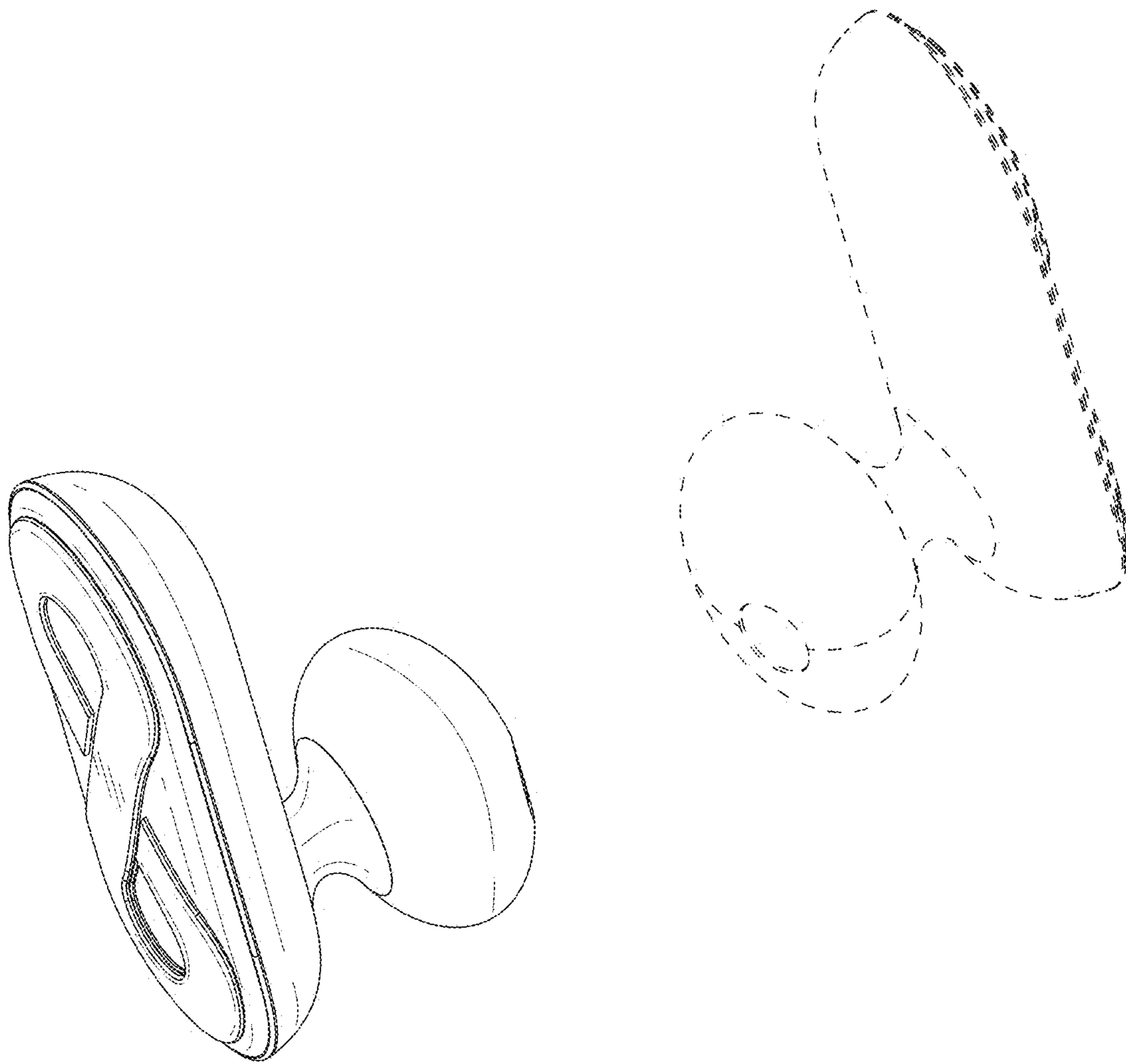


FIG. 8

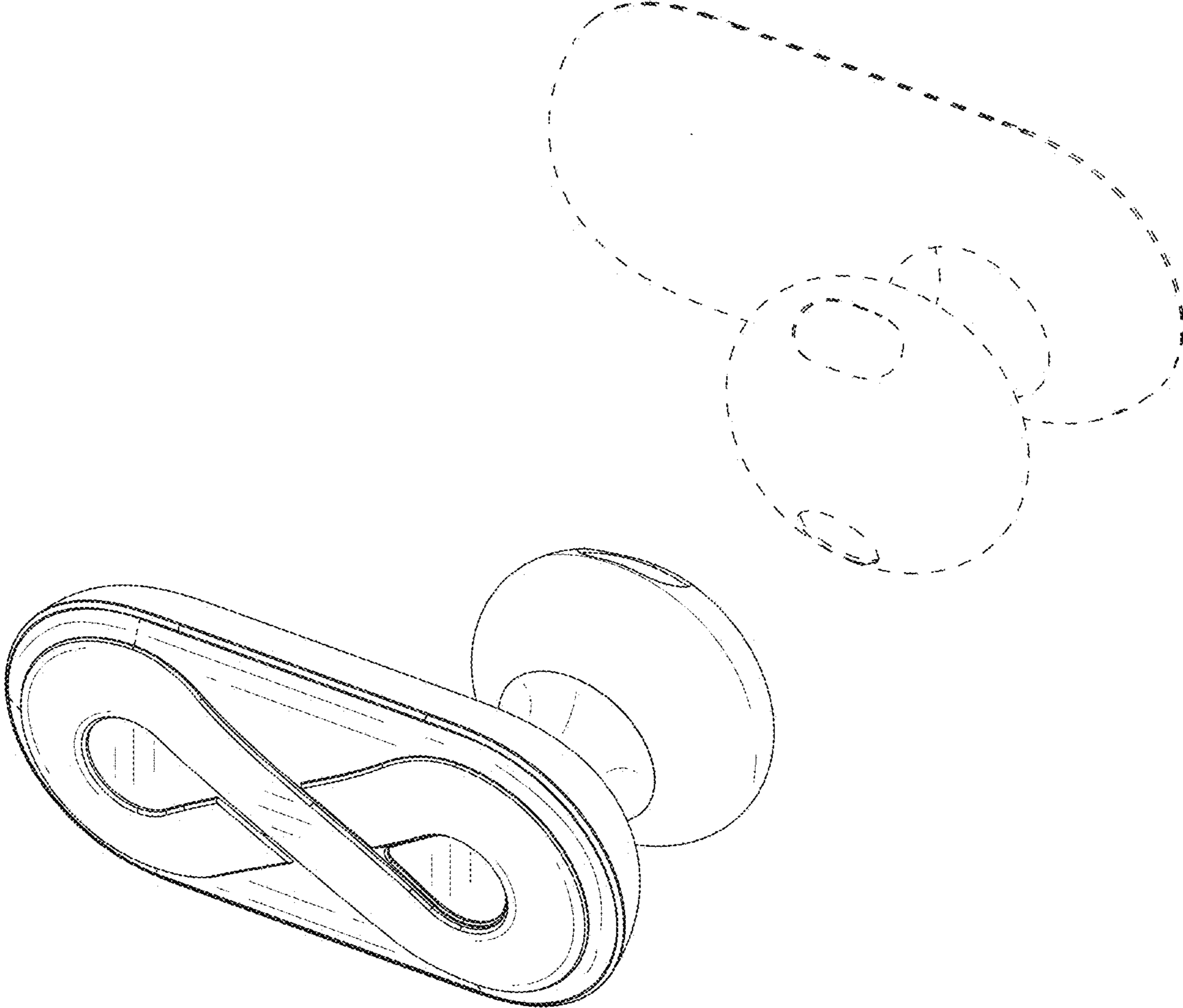


FIG. 9