



US00D977125S

(12) **United States Design Patent** (10) **Patent No.:** **US D977,125 S**
Chen (45) **Date of Patent:** **** Jan. 31, 2023**

(54) **HAND WARMER**

(71) Applicant: **Xinxin Chen**, Huizhou (CN)

(72) Inventor: **Xinxin Chen**, Huizhou (CN)

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

(21) Appl. No.: **29/785,707**

(22) Filed: **May 27, 2021**

(30) **Foreign Application Priority Data**

May 26, 2021 (EM) 008554265-0002

(51) **LOC (14) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D24/206**

(58) **Field of Classification Search**

USPC D24/141, 200, 209, 206, 207, 208,
D24/214-215, 168, 171, 185-192, 231;
D13/102-108, 110, 118-119, 184, 199,
D13/154, 156, 116; D6/601, 604
CPC . A61B 17/29; A61B 17/0218; A61B 17/2909;
A61B 17/282; A61B 7/295; A61B
2017/2926; A61B 10/04; A61B 10/0096;
A61B 10/025; 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; A61M 37/00;
A61M 37/0076; A61M 37/0084; A61M
5/46; A61M 5/48; H05B 1/00; H01R
13/516; H01R 13/518; H01R 13/46;
H01R 13/52; H01R 13/50; H01R 13/506;
H01R 13/5213; H02G 15/18; H01M
2250/30; H01M 2250/40; H01M 2200/30;
H01M 10/44; H01M 10/46; H01M
10/465; H01M

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D794,805 S * 8/2017 Kranz D24/186
D878,617 S * 3/2020 Zhu D24/206

(Continued)

FOREIGN PATENT DOCUMENTS

CN 202030434512.5 * 8/2020
CN 202030773656.3 * 4/2021
CN 202130316928.1 * 5/2021

OTHER PUBLICATIONS

Hand Warmers Rechargeable, first available Sep. 8, 2021, amazon.com, [online], [site visited Aug. 10, 2022], Available from internet URL: <https://www.amazon.com/dp/B09FPVGV79/> (Year: 2021).*

(Continued)

Primary Examiner — Samantha Q Lawrence

Assistant Examiner — Holly M Rodriguez

(74) *Attorney, Agent, or Firm* — Runit Ranjit Kanakia

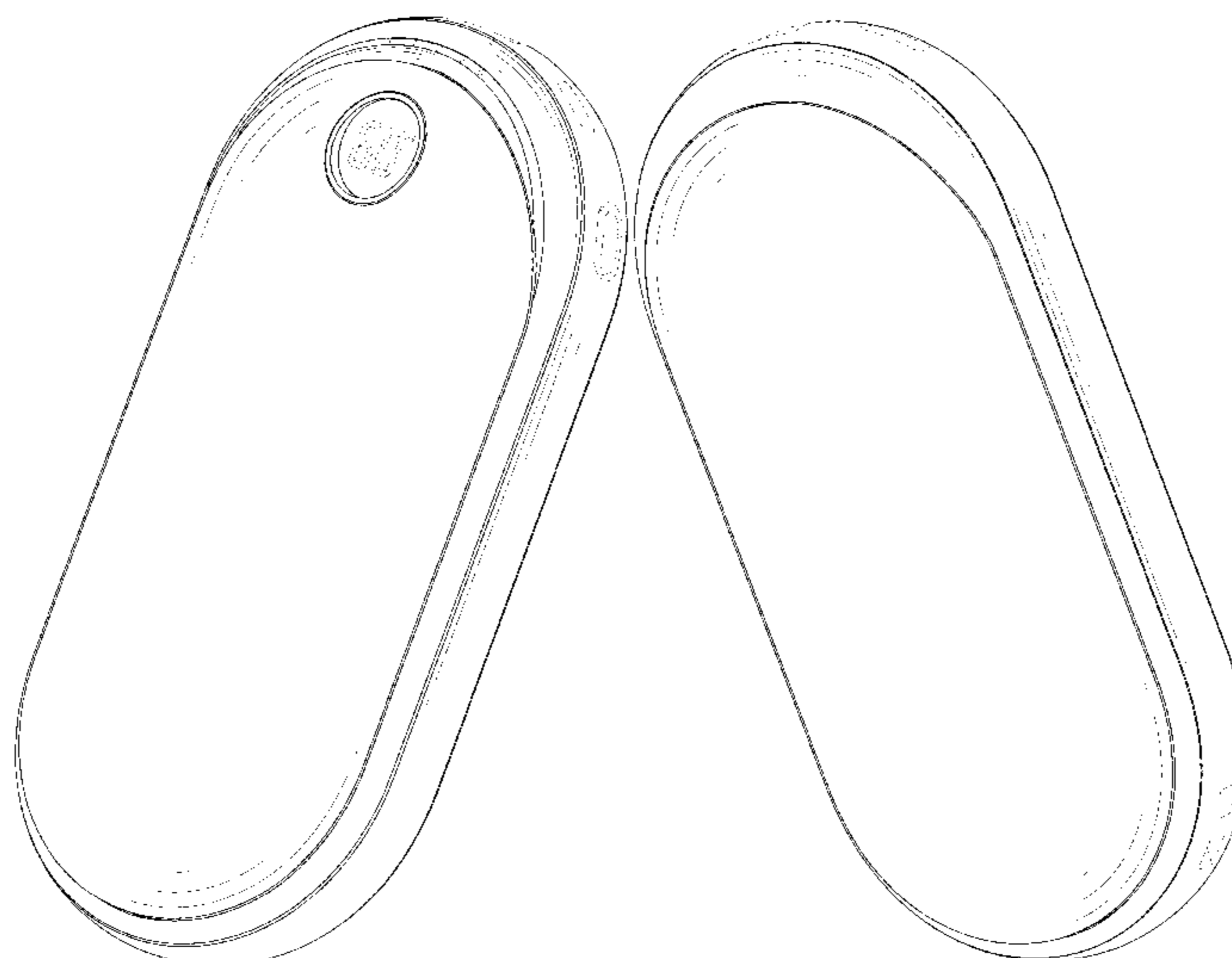
(57) **CLAIM**

The ornamental design for a hand warmer, as shown and described.

DESCRIPTION

FIG. 1 is a first perspective view of a hand warmer showing my new design;
FIG. 2 is a second perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a back 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 shown in the drawings depict portions of the hand warmer in which the design is embodied that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(58) **Field of Classification Search**

CPC 10/482; H01M 10/4257; H01M 10/0436;
 H01M 10/48; A61F 7/02; A61F 7/10;
 A61F 7/106; A61F 2007/0001; A61F
 2007/0024; A61F 2007/0025; A61F
 2007/0026; A61F 2007/0027; A61F
 2007/0029; A61F 2007/0091; A61F
 2007/0092; A61F 2007/0215; A61F
 2007/0217; A61F 2007/0219; A61N
 1/36014; A61N 1/36021; A61N 1/36057;
 A61N 1/36036

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D901,027	S	*	11/2020	Luo	.....	D24/206
D931,480	S	*	9/2021	Pi	.....	D24/206
D935,039	S	*	11/2021	Zhu	.....	D24/206
D945,631	S	*	3/2022	Gebrekidan	.....	D24/200
D955,985	S	*	6/2022	Xie	.....	D13/108
D957,658	S	*	7/2022	Ye	.....	D24/206

OTHER PUBLICATIONS

Hand Warmers Rechargeable, 10000mAh Power Bank, first available Sep. 3, 2021, amazon.com.uk, [online], [site visited Aug. 12, 2022], Available from internet URL: <https://www.amazon.co.uk/Warmers-Rechargeable-10000mAh-Reusable-Activities/dp/B099X2ZL8F/> (Year: 2021).*

FVSA Rechargeable Hand Warmer, first available Sep. 29, 2020, amazon.com, [online], [site visited Aug. 10, 2022], Available from internet URL: <https://www.amazon.com/FVSA-Rechargeable-10000mah-Luminescence-Electric/dp/B08KCY88RN/> (Year: 2020).*

Unigear Hand Warmers Rechargeable, first available Sep. 1, 2021, amazon.com.uk, [online], [site visited Aug. 12, 2022], Available from internet URL: <https://www.amazon.co.uk/dp/B09F616BDS/> (Year: 2021).*

Hand Warmers Rechargeable, 10000mAh Power Bank Hand Warmers Reusable with LED Display, first available Jan. 20, 2022, amazon.com.uk, [online], [site visited Aug. 12, 2022], Available from internet URL: <https://www.amazon.co.uk/Warmers-Rechargeable-10000mAh-Reusable-Three-level/dp/B09P8N5GWB/> (Year: 2022).*

* cited by examiner

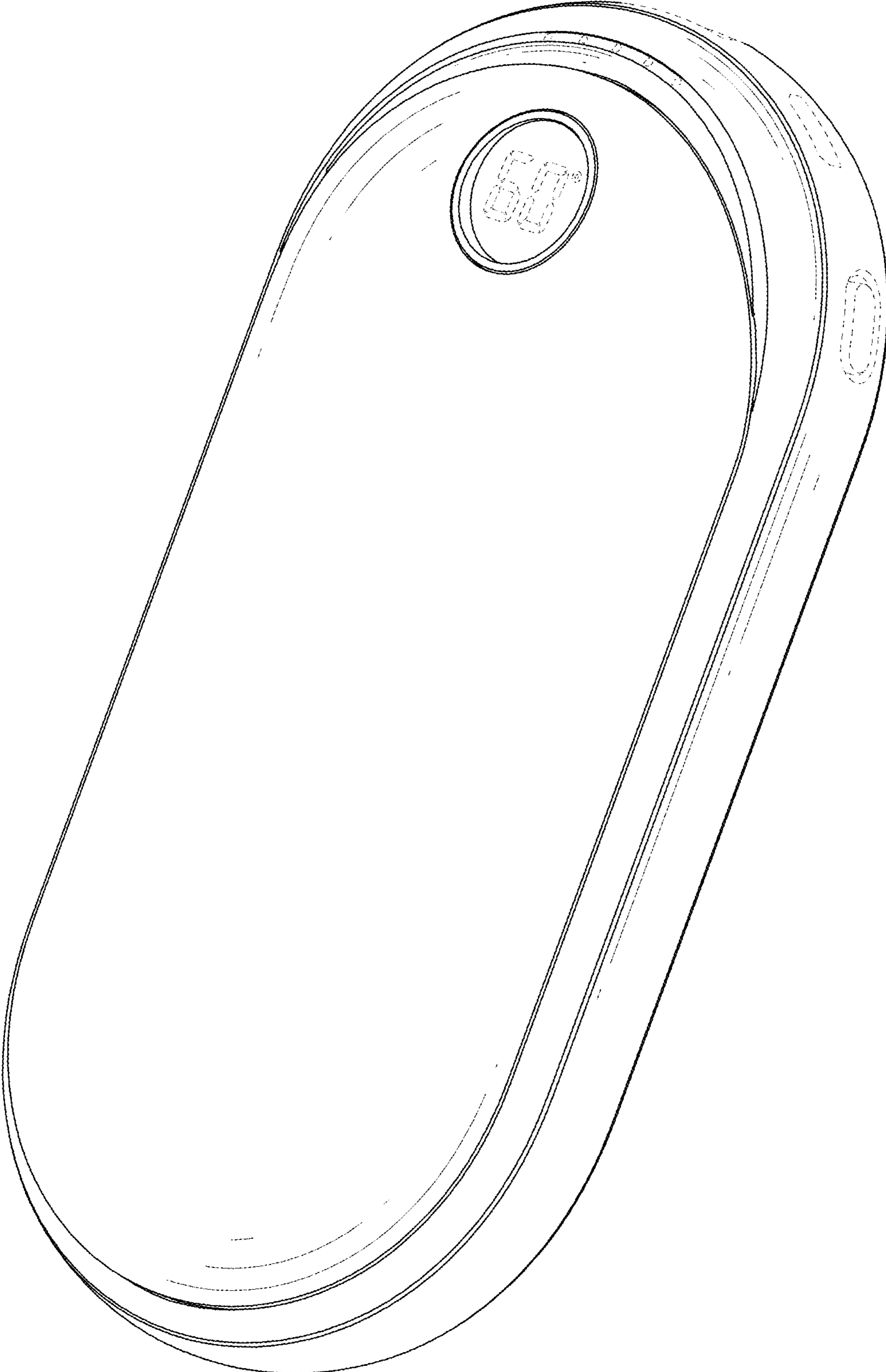


FIG. 1

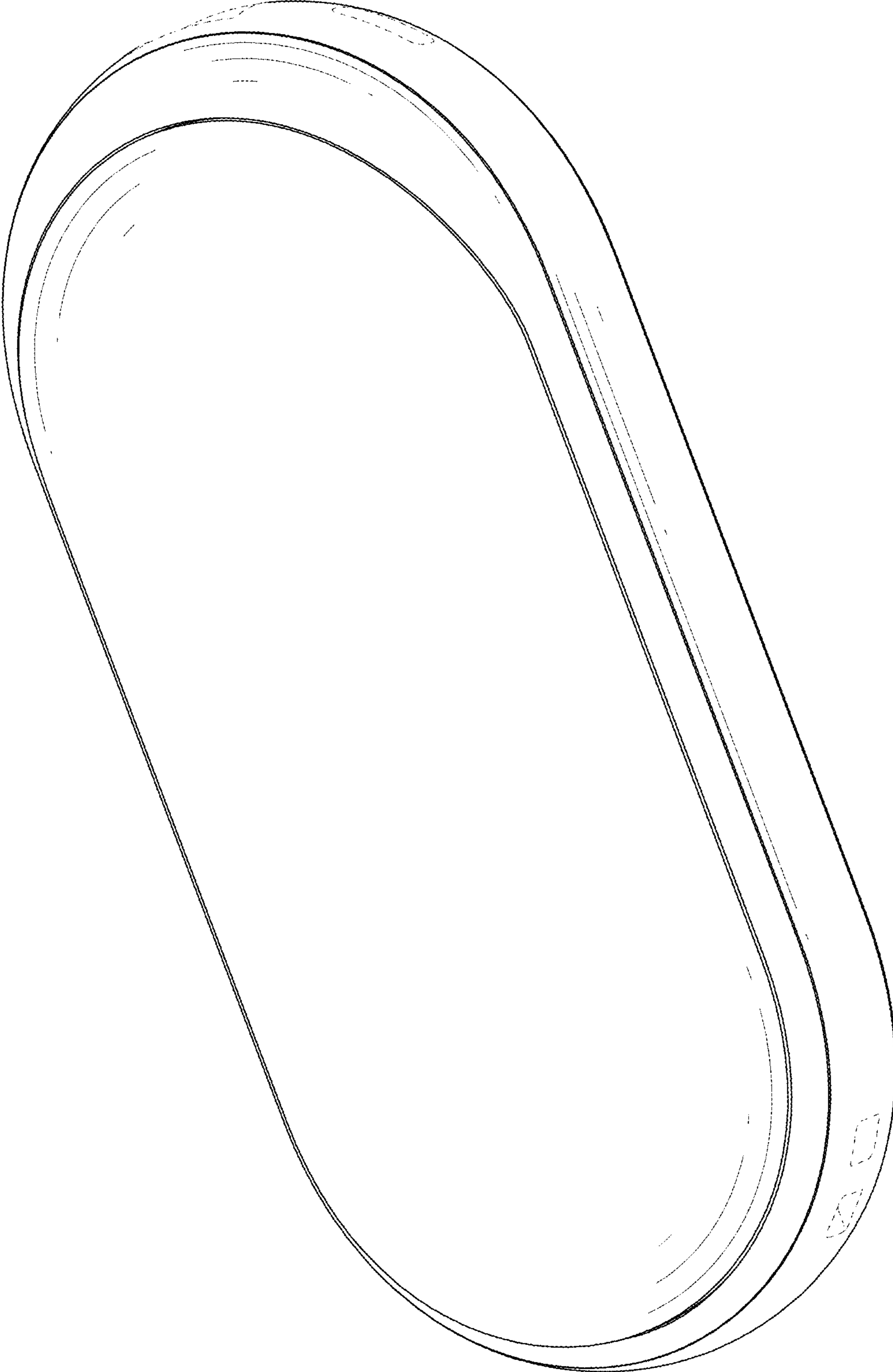


FIG. 2

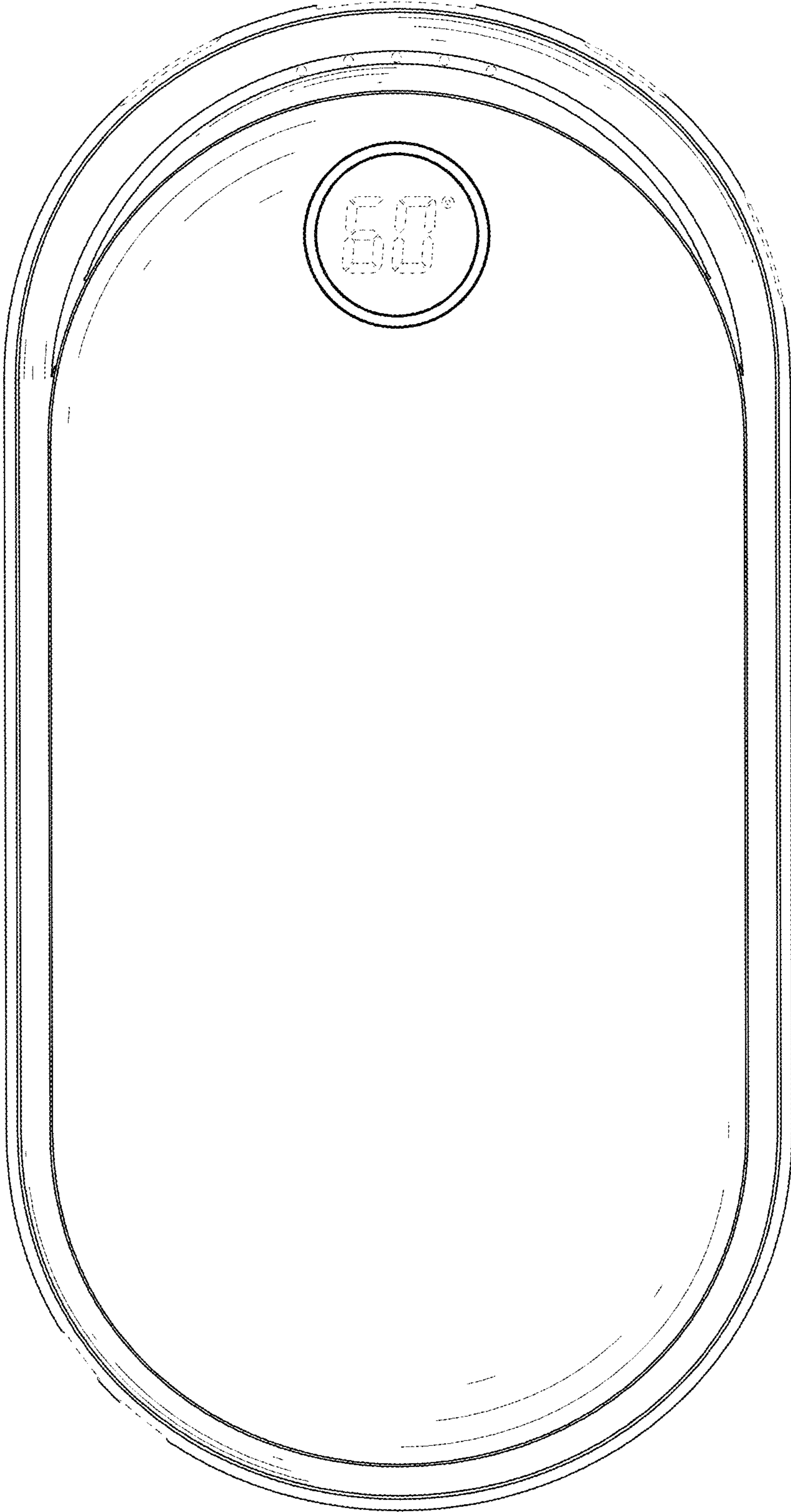


FIG. 3

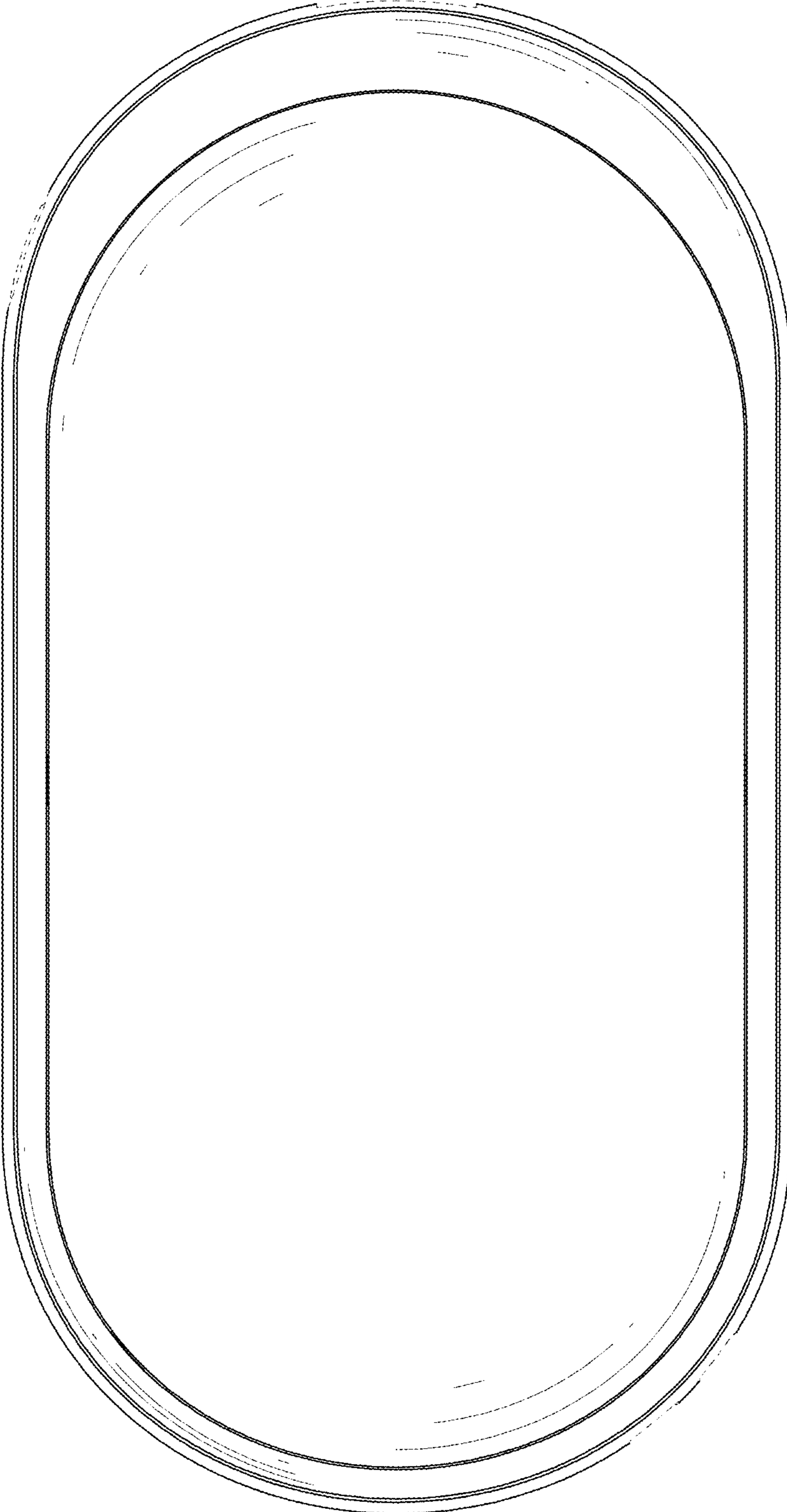


FIG. 4

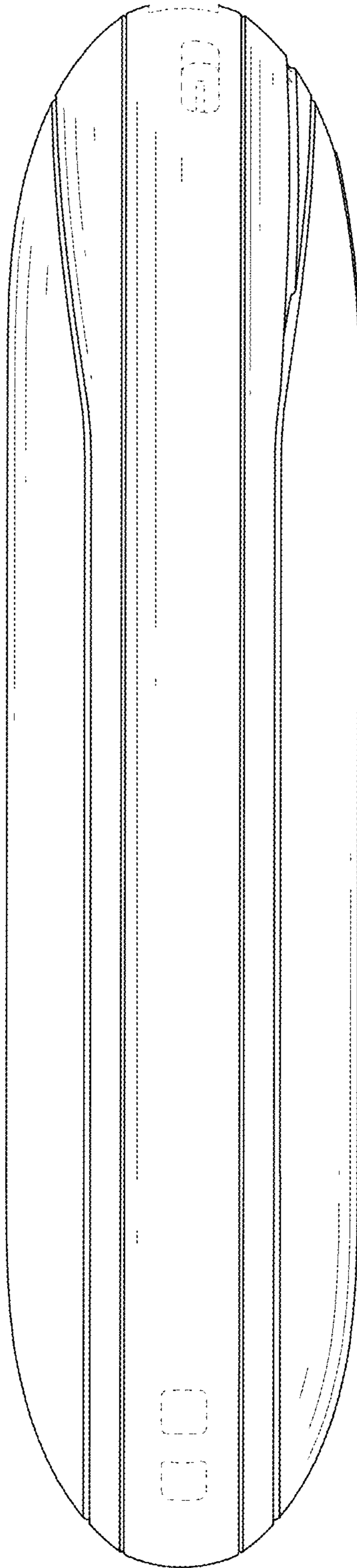


FIG. 5

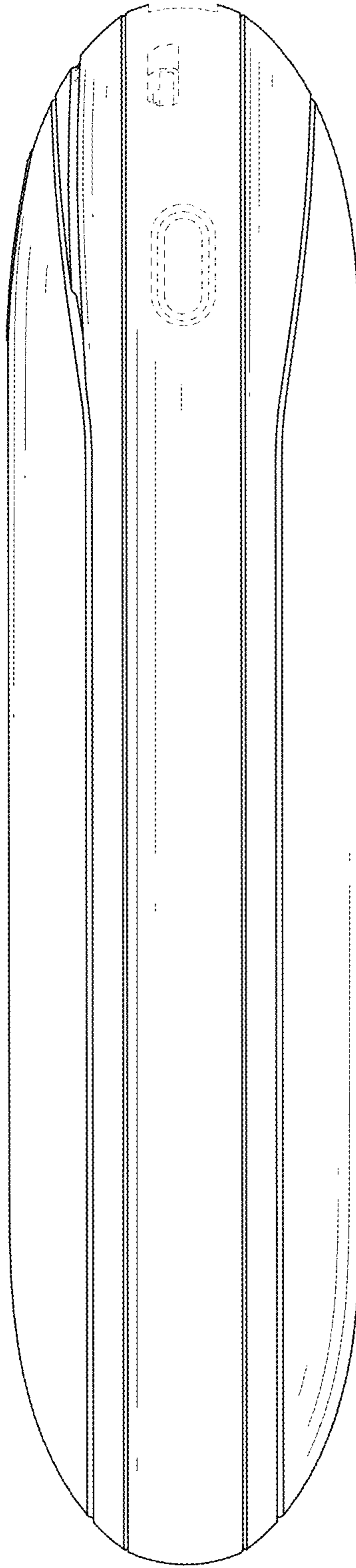


FIG. 6

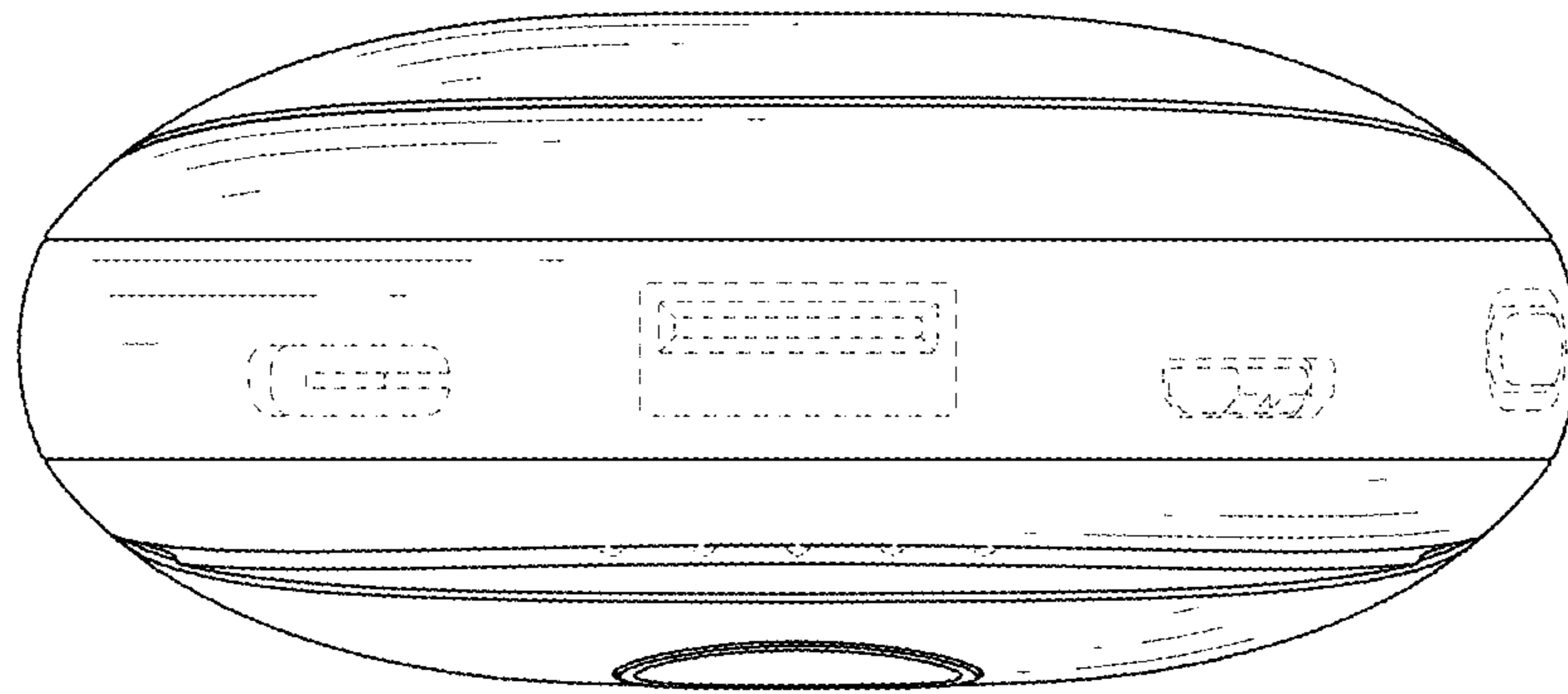


FIG. 7

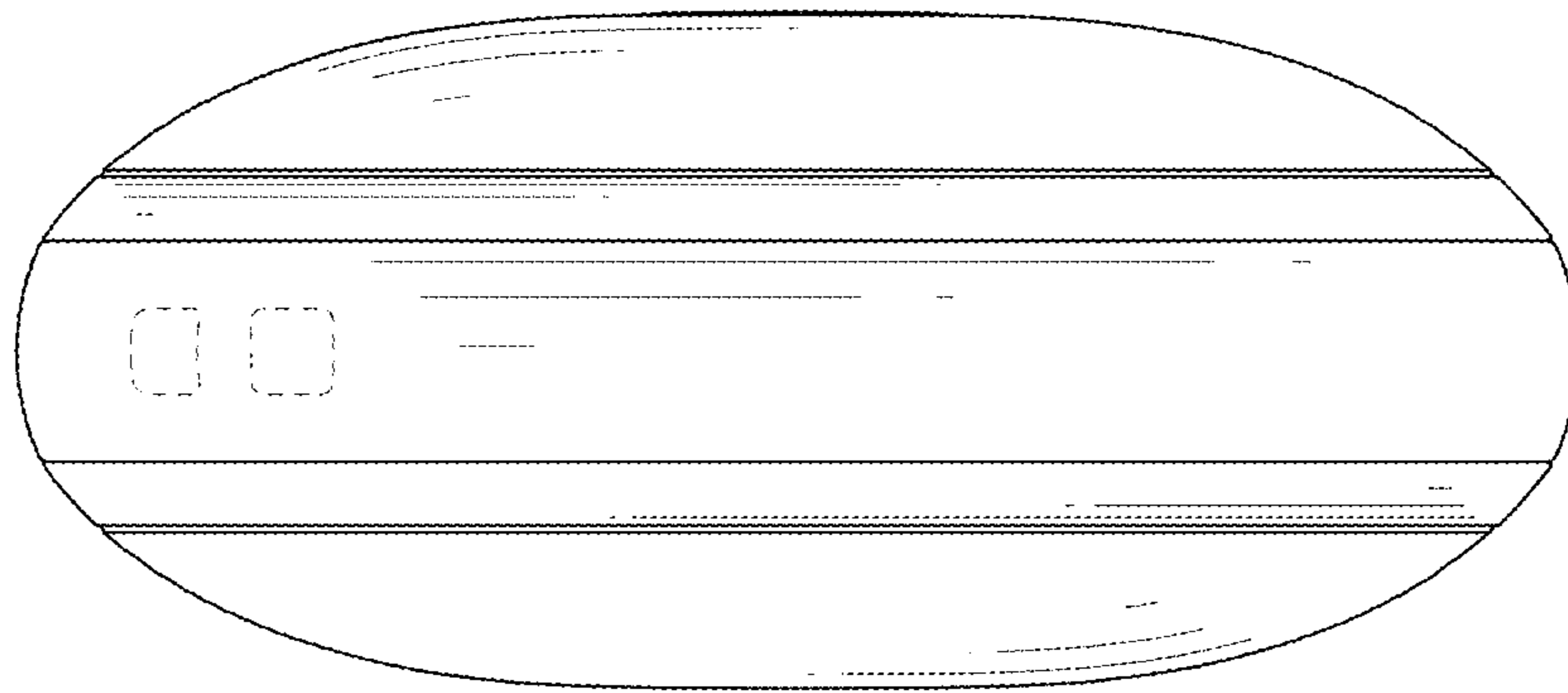


FIG. 8