



US0D1024345S

(12)

United States Design Patent

Zou

(10)

Patent No.:

US D1,024,345 S

(45)

Date of Patent:

** Apr. 23, 2024

(54) HAND WARMER

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(**) Term: 15 Years

(21) Appl. No.: 29/908,937

(22) Filed: Jan. 16, 2024

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

(52) U.S. Cl.
USPC D24/206; D13/108

(58) Field of Classification Search
USPC D24/200, 206–208, 214, 188–192;
D13/103, 107–108, 118–119;
D14/432–434, 341
CPC A61F 2007/0036; A61F 2007/0086; A61F
2007/0088; A61F 2007/0089; A61F
2007/0056; A61F 2007/0075; A61F
2007/0098; A61F 7/00; A61F 7/10; A61F
7/02; A61F 7/0001; A61F 7/007; A61F
7/08; A61F 7/0097; A61F 7/034; H05B
3/34; H05B 3/342; H05B 3/0004; H05B
3/0019; H05B 3/0085; H05B 1/025;
H05B 2203/003–006; H05B 2203/014
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D648,298 S	*	11/2011	Pierce	D14/138 G
D765,073 S	*	8/2016	Niizawa	D14/356
D918,356 S	*	5/2021	Wang	D23/332
D922,317 S	*	6/2021	Starkey	D13/108
D931,480 S	*	9/2021	Pi	D24/206
D974,194 S	*	1/2023	Gong	D10/57
D976,422 S	*	1/2023	Chen	
D985,785 S	*	5/2023	Xiao	D24/206
D989,820 S	*	6/2023	Morris	D15/90

D1,008,474 S	*	12/2023	Yu	D24/206
D1,008,475 S	*	12/2023	Guo	D24/206
2008/0053979 A1	*	3/2008	Toya	A61H 23/0263 219/385

(Continued)

FOREIGN PATENT DOCUMENTS

CN	305457425	*	11/2019
CN	305480255	*	12/2019

(Continued)

OTHER PUBLICATIONS

Orastone, orastone Rechargeable Hand Warmer Electronic Portable Hand Warmer, Published on: Jan. 7, 2020, Amazon.com, Retrieved from Internet: https://www.amazon.com/orastone-Rechargeable-Double-Sided-Reusable-Electric/dp/B083KHCP52/ref=asc_df_B083KHCP52/ (Year: 2020).*

(Continued)

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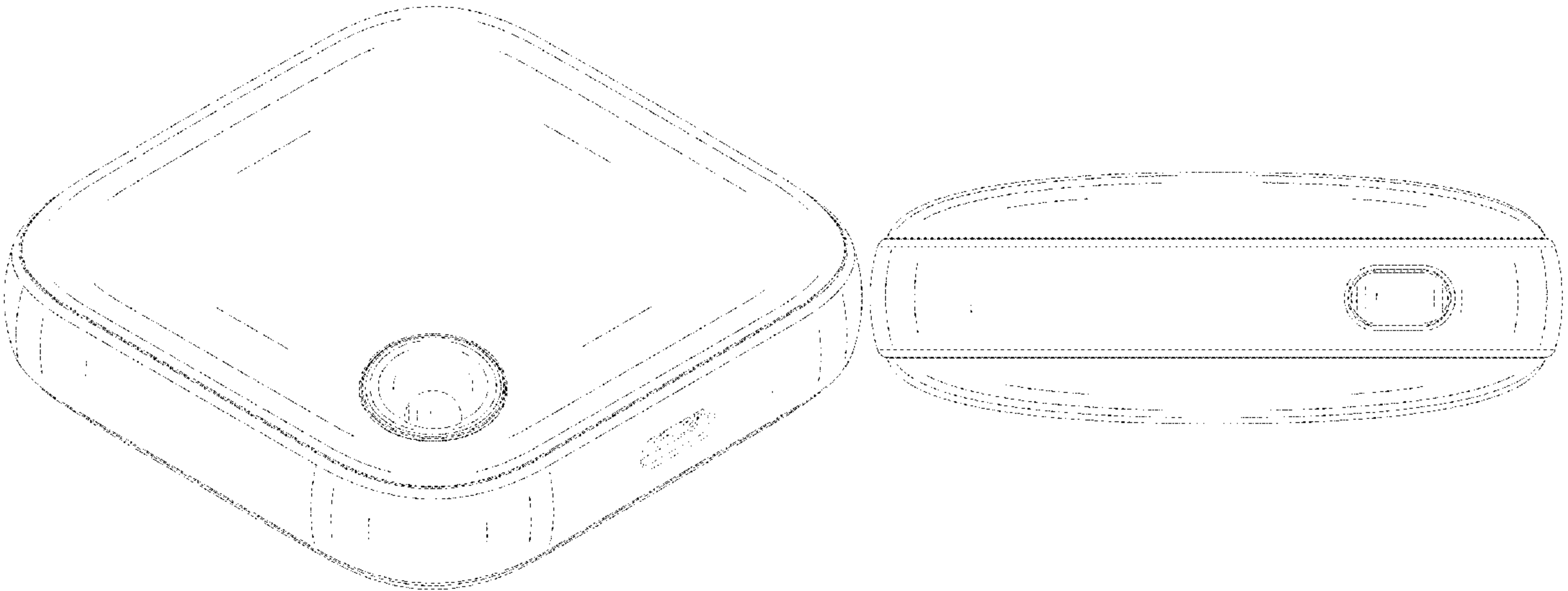
(57) CLAIM

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

DESCRIPTION

FIG. 1 is a front, top and right side perspective view of a hand warmer, showing my new design;
FIG. 2 is a rear, bottom and left side perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines shown in the drawings illustrate portions of the hand warmer that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



References Cited

2013/0068212	A1*	3/2013	Chen	A01M 1/2088 126/204
2023/0422353	A1*	12/2023	Hu	H05B 3/22

CN	306235030	*	12/2020
CN	306340616	*	2/2021
CN	306441105	*	4/2021
CN	306441161	*	4/2021
CN	307503832	*	8/2022
CN	308340735	*	11/2023

Fresh Take, Sophilo Rechargeable Hand Warmer & Power Bank Review, Published on: Nov. 7, 2022, YouTube.com, Retrieved from Internet: <https://www.youtube.com/watch?v=ErYFJYDrUM> (Year: 2022).*

Ocoopa, Ocoopa HeatCube Hand Warmers, Published on: Jul. 15, 2023, Amazon.com, Retrieved from Internet: https://www.amazon.com/OCOOPA-HeatCube-Rechargeable-Handwarmers-Activities/dp/B0CC168VQ5/ref=asc_df_B0CC168VQ5/ (Year: 2023).*

Jisulife, Jisulife Hand Warmers, Rechargeable Electric Reusable Hand Warmers/Power Banks, Published on: Aug. 23, 2021, Amazon.com, Retrieved from Internet: https://www.amazon.com/JISULIFE-Rechargeable-Electric-Portable-Gifts-Orange/dp/B09DCR9SYC/ref=asc_df_B09DCR9SYC/ (Year: 2021).*

* cited by examiner

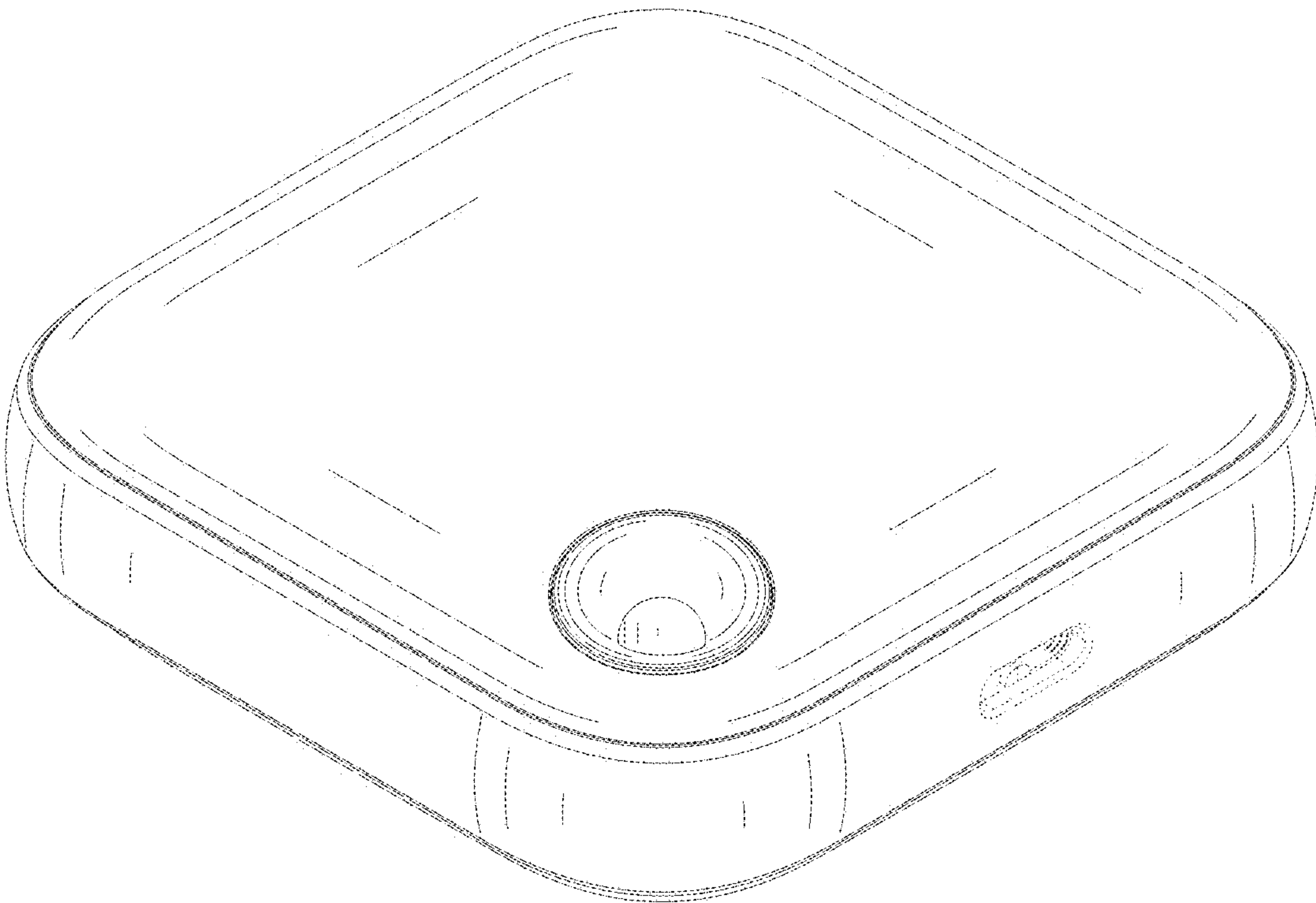


FIG. 1

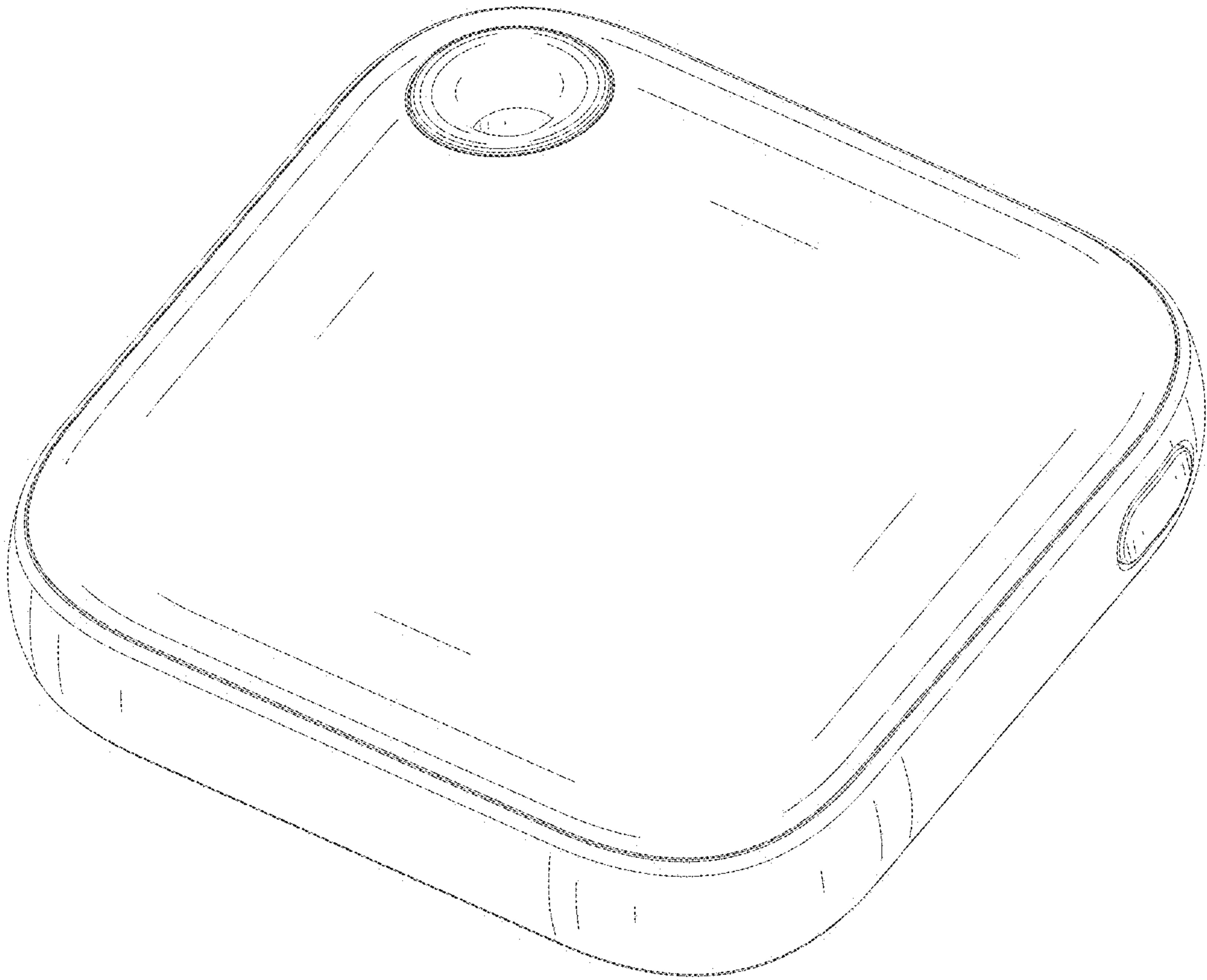


FIG.2

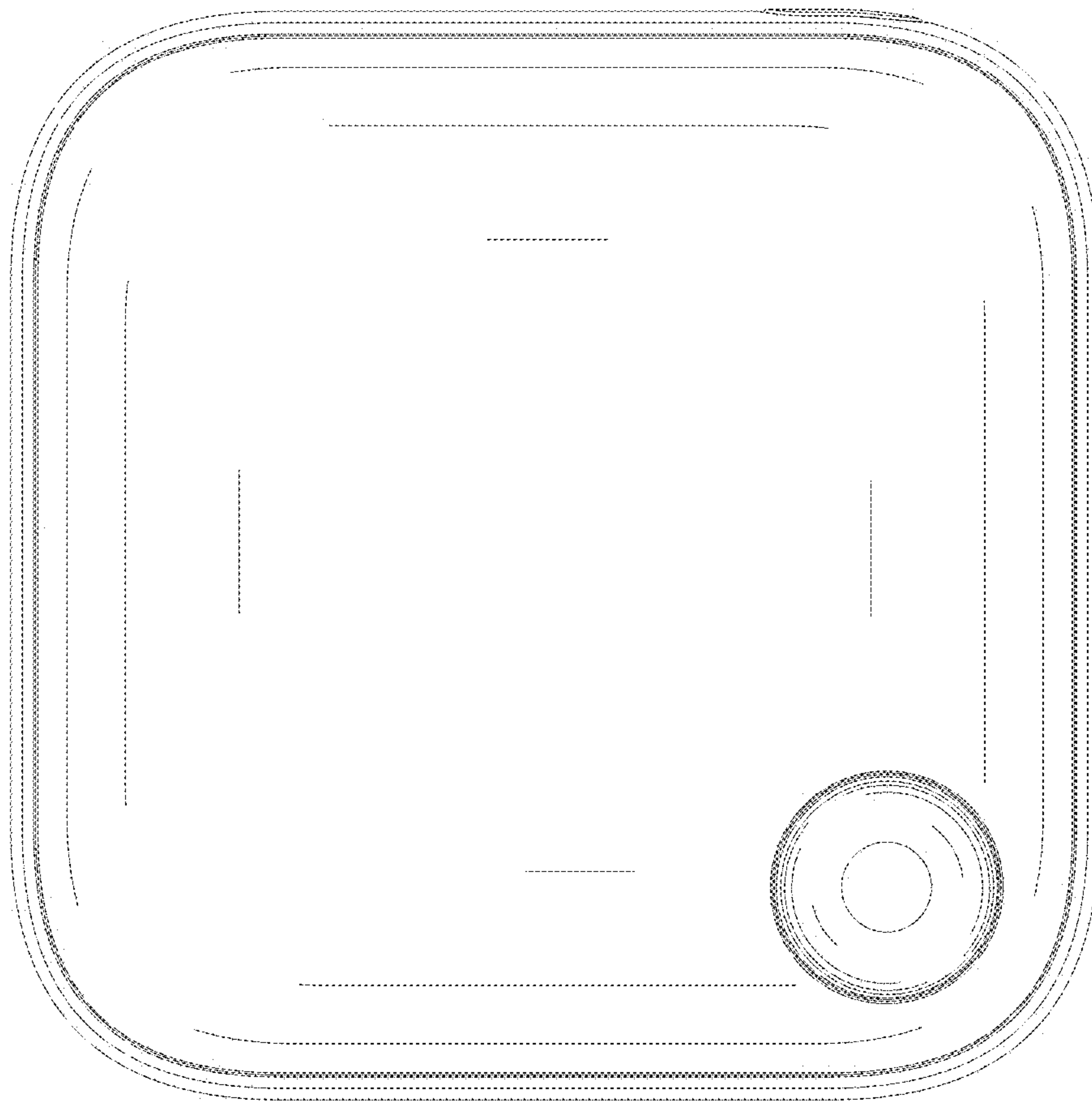


FIG.3

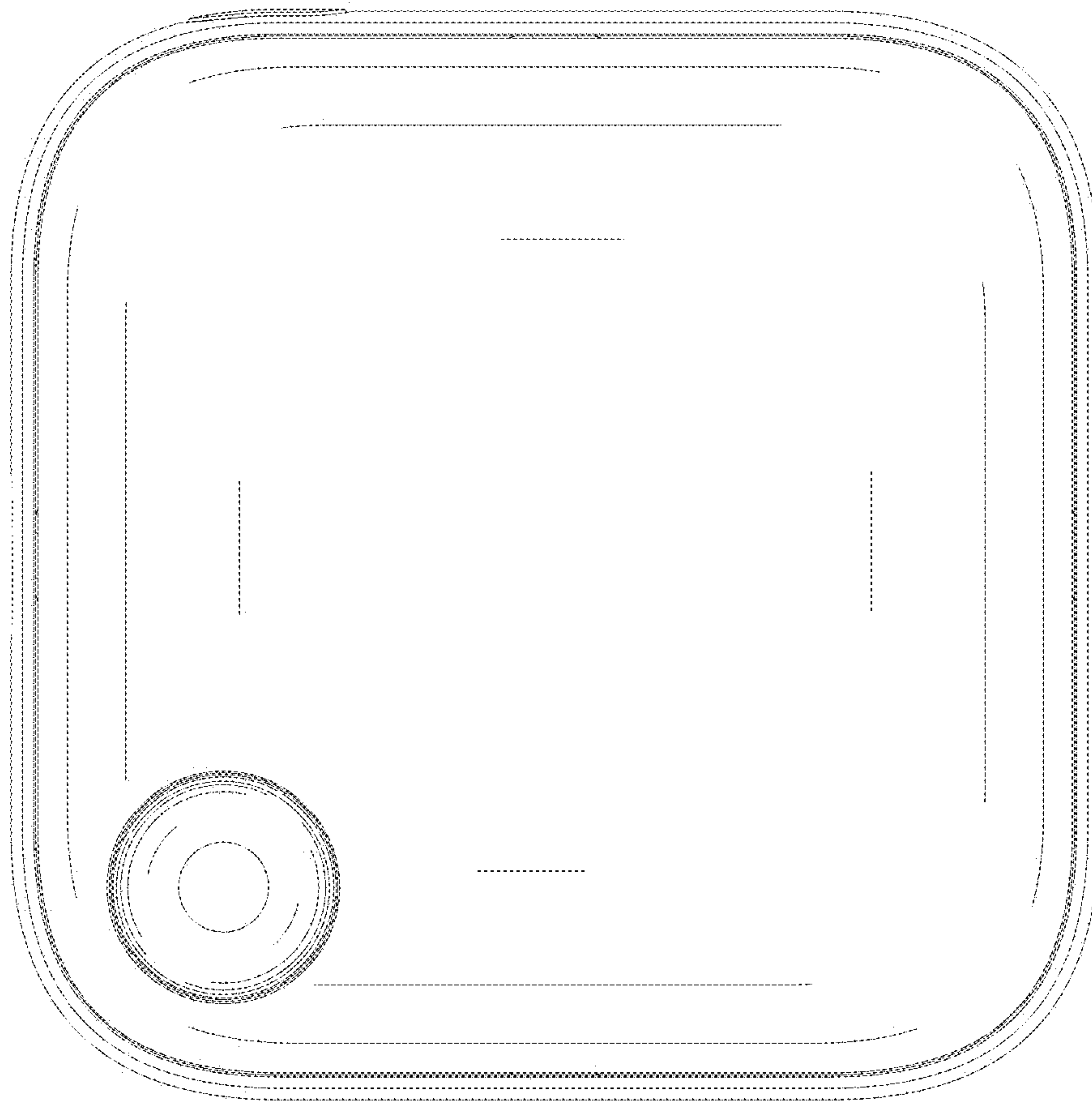


FIG.4

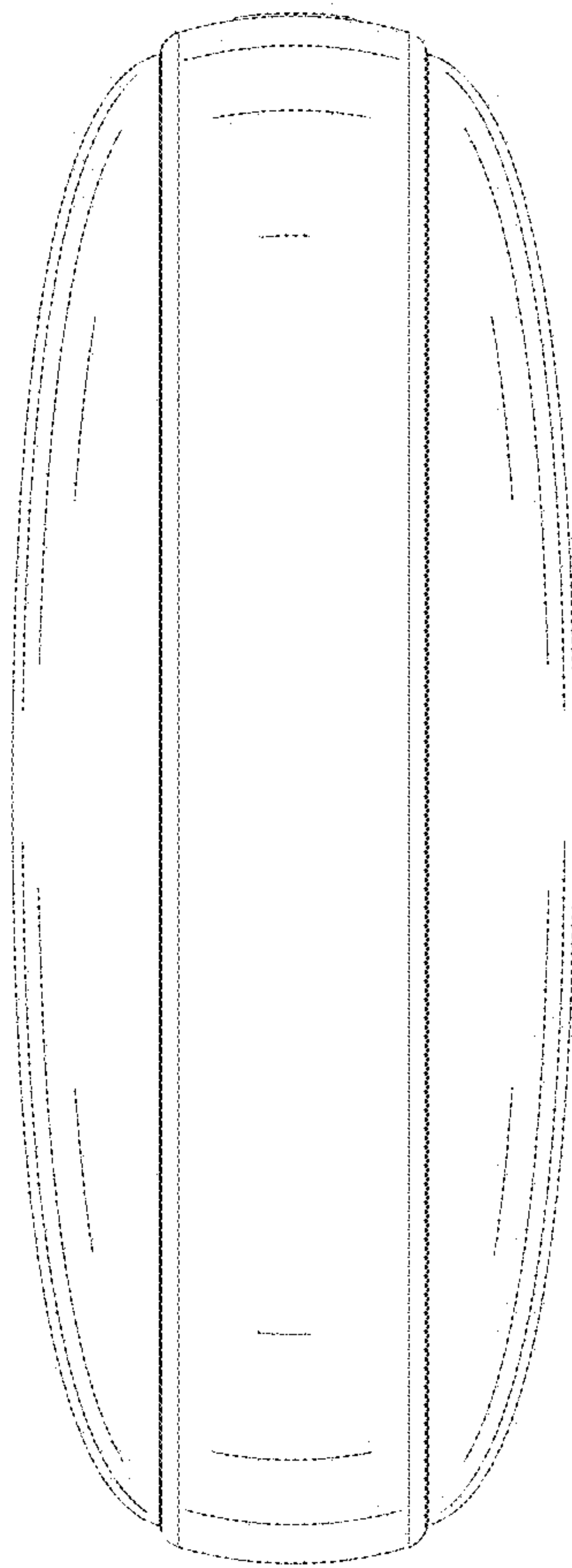


FIG.5

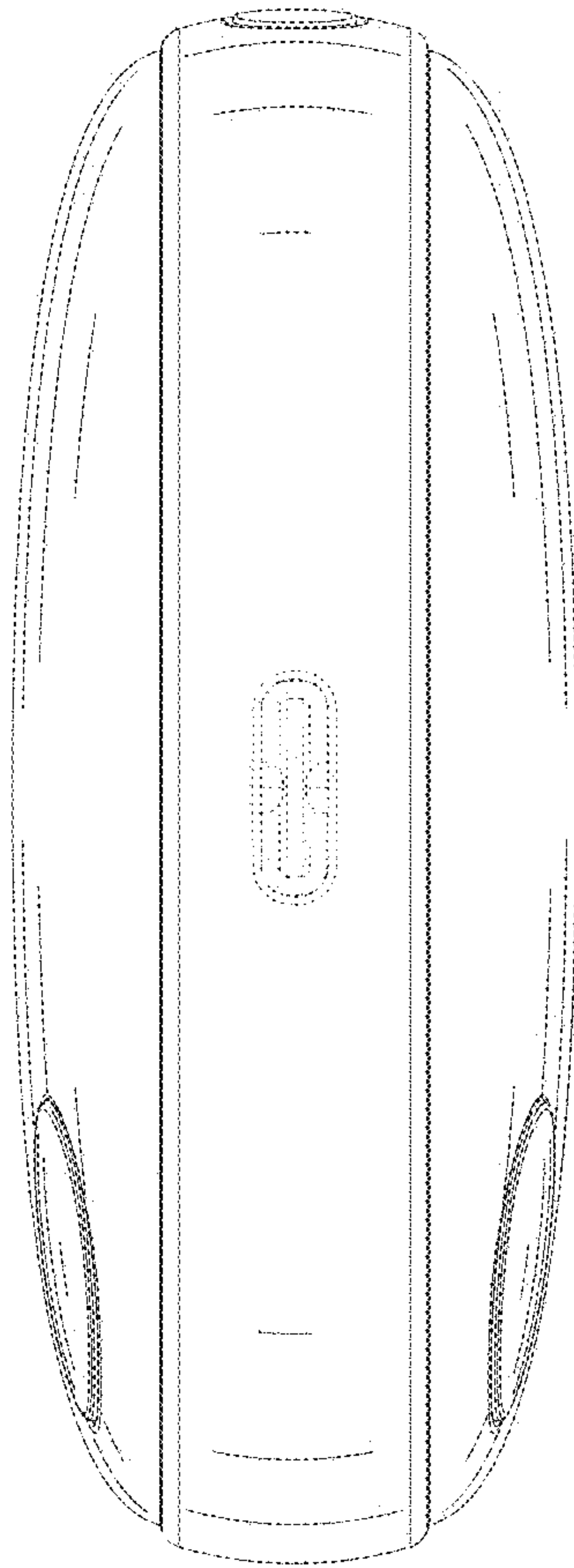


FIG. 6

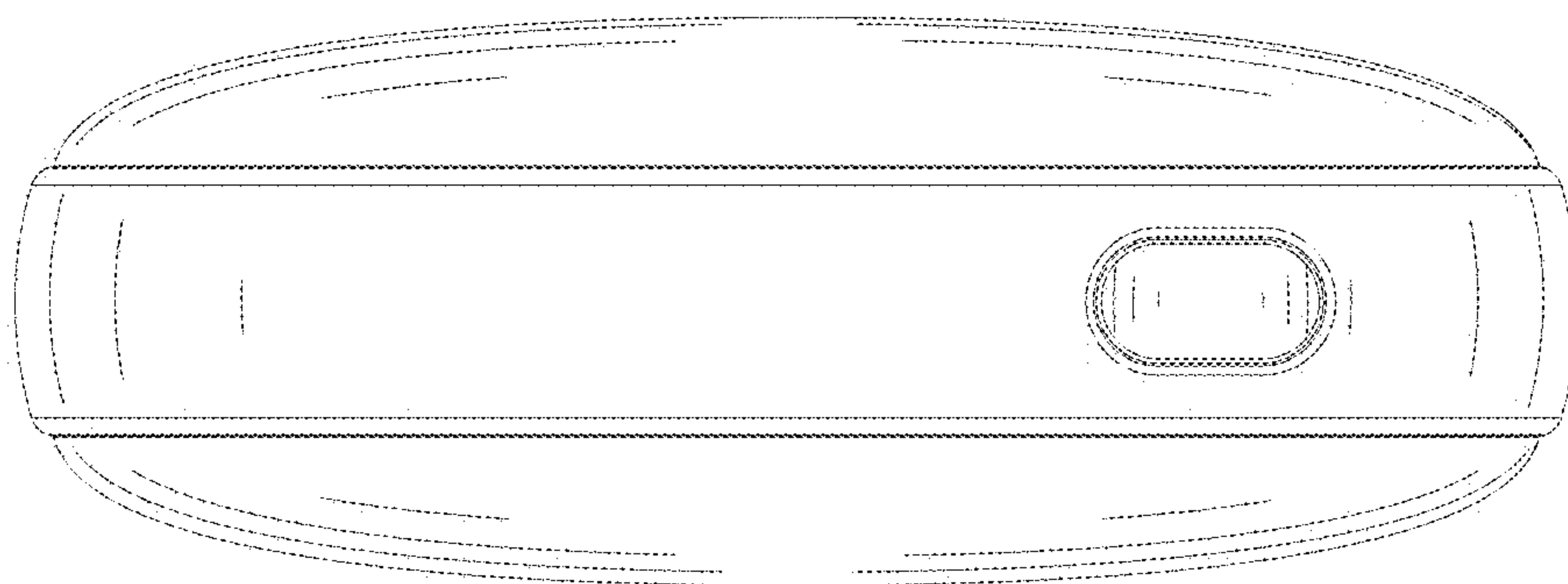


FIG. 7

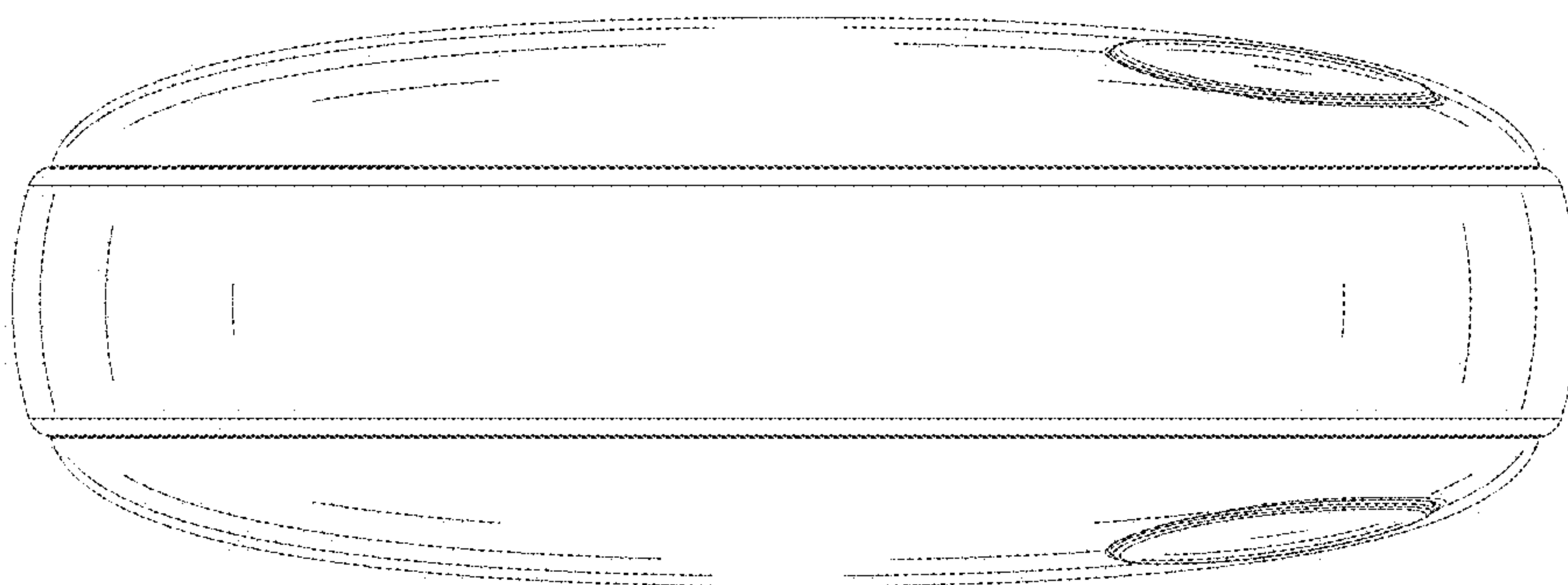


FIG. 8