



US0D1105174S

(12)

United States Design Patent

Mishan et al.

(10)

Patent No.:

US D1,105,174 S

(45)

Date of Patent:

** Dec. 9, 2025

(54) INFLATOR

(71) Applicant: E. MISHAN & SONS, INC., New York, NY (US)

(72) Inventors: Steven Mishan, New York, NY (US); Yan Liang, Hangzhou (CN)

(73) Assignee: E. MISHAN & SONS, INC., New York, NY (US)

(**) Term: 15 Years

(21) Appl. No.: 29/953,725

(22) Filed: Jul. 23, 2024

(51) LOC (15) Cl. 15-02

(52) U.S. Cl. USPC D15/9; D15/7

(58) Field of Classification Search USPC D13/103, 107; D14/203.1–203.8, 204; D15/7–9; D23/366, 356; D24/108, 109, D24/111, 200 CPC F04B 1/005; F04B 33/00; F04B 33/005; F04B 39/102; F04B 53/14; F04B 53/92; F04D 13/06; F04D 29/22; F04D 29/046; F04D 29/2266

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D719,932 S	*	12/2014	Osborn	D14/210
D928,374 S	*	8/2021	Zheng	D26/60
D942,643 S	*	2/2022	Zhao	D24/217
D947,569 S	*	4/2022	Chen	D6/534
D968,471 S	*	11/2022	Xiong	D15/7
D973,721 S	*	12/2022	Sun	D15/7
D980,557 S	*	3/2023	Zhou	D32/1
D998,846 S	*	9/2023	Xie	D26/60
D1,006,063 S	*	11/2023	Pan	D15/7
D1,012,977 S	*	1/2024	Zhong	D15/7
D1,012,978 S	*	1/2024	Hu	D15/7

D1,012,979 S	*	1/2024	Wu	D15/7
D1,021,964 S	*	4/2024	Huang	D15/7
D1,026,041 S	*	5/2024	Chen	D15/7
D1,028,019 S	*	5/2024	Huang	D15/7
D1,030,808 S	*	6/2024	Mao	D15/7
D1,033,485 S	*	7/2024	Deng	D15/7
D1,046,923 S	*	10/2024	Li	D15/7
D1,055,108 S	*	12/2024	Zhu	D15/7

(Continued)

OTHER PUBLICATIONS

Emsen, Pocket Air Car Tire Inflator Portable Air Compressor by Bullseye Pro, (first available Oct. 3, 2024), Amazon.ca, URL:<<https://www.amazon.ca/Inflator-Portable-Compressor-Bullseye-Inflatables/dp/B0DHJ4ZYBP>> (Year: 2024).*

(Continued)

Primary Examiner — Mark T. Philipps
(74) Attorney, Agent, or Firm — Notaro, Michalos & Zaccaria P.C.

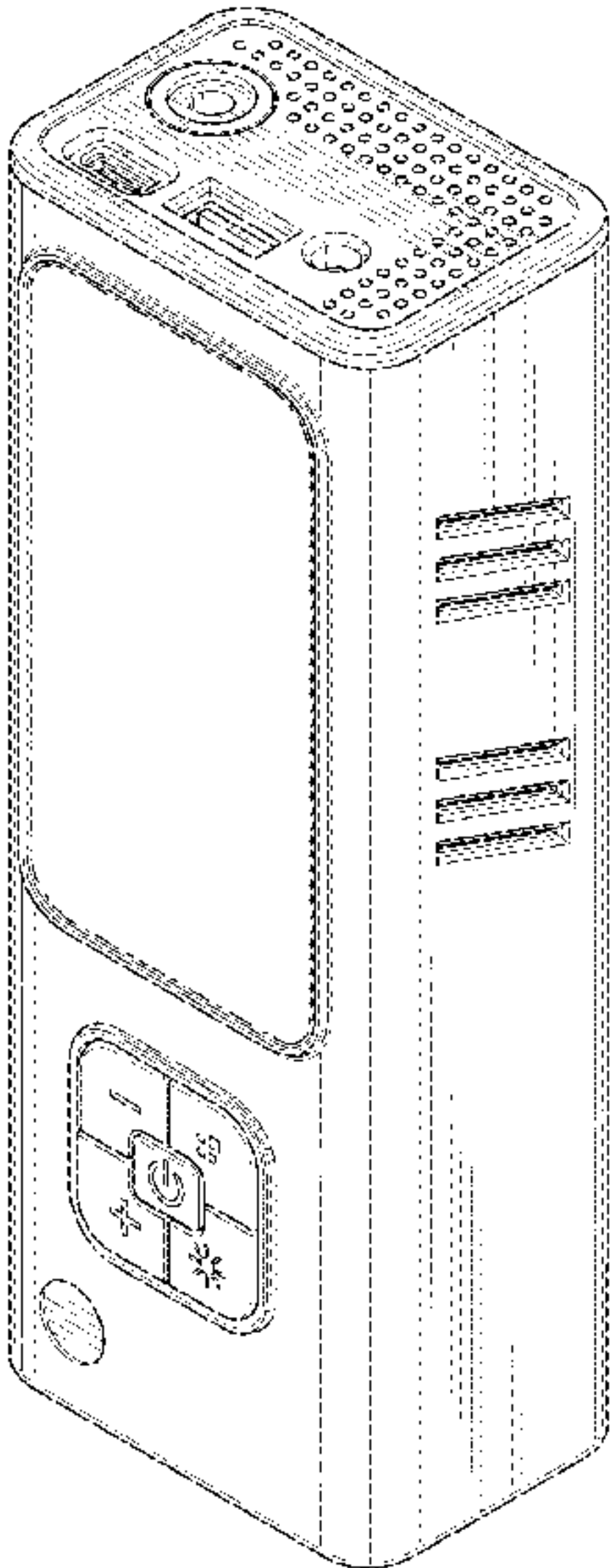
(57) CLAIM

The ornamental design for an inflator as shown and described.

DESCRIPTION

FIG. 1 is a top, front right perspective view of an inflator showing my design;
FIG. 2 is a left view thereof;
FIG. 3 is a right view thereof;
FIG. 4 is a front view thereof;
FIG. 5 is a rear view thereof;
FIG. 6 is a top plain view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken dash-dot lines in the drawings represent boundaries of the inflator that enclose areas that form no part of the claimed design. The broken dash-dash lines in the drawings depict portions of the inflator that form no part of the claimed design.

1 Claim, 6 Drawing Sheets



(56) References Cited

U.S. PATENT DOCUMENTS

D1,063,992	S	*	2/2025	Zhu	.....	D15/7
D1,079,754	S	*	6/2025	Feng	.....	D15/7
D1,081,725	S	*	7/2025	Zheng	.....	D15/7
D1,082,860	S	*	7/2025	Zheng	.....	D15/7
D1,088,046	S	*	8/2025	Tao	.....	D13/110
D1,088,053	S	*	8/2025	Liu	.....	D15/7
D1,089,318	S	*	8/2025	Li	.....	D15/7
D1,091,636	S	*	9/2025	Ying	.....	D15/7
D1,091,637	S	*	9/2025	Ying	.....	D15/7
D1,098,202	S	*	10/2025	Li	.....	D15/7

OTHER PUBLICATIONS

Hipom, Tire Inflator Portable Air Compressor, (first available Apr. 18, 2024), Amazon.com, URL:<0<https://www.amazon.com/HIPOM-Inflator-Compressor-Motorcycle-Accessories/dp/B0D227G19S>> (Year: 2024).*

Pagitr, Tire Inflator Portable Air Compressor Pump, (first available Jun. 19, 2023), Amazon.com, URL:<<https://www.amazon.com/Inflator-Portable-Compressor-Automatic-Motorcycles/dp/B0C8H59ZM6>> (Year: 2023).*

Lyrovo, Wired/Wireless 2-in-1 Tyre Inflator, (first available Oct. 21, 2023), Amazon.com, URL:<<https://www.amazon.com/-/he/LY-6988/dp/B0CLHRMCMT>> (Year: 2023).*

* cited by examiner

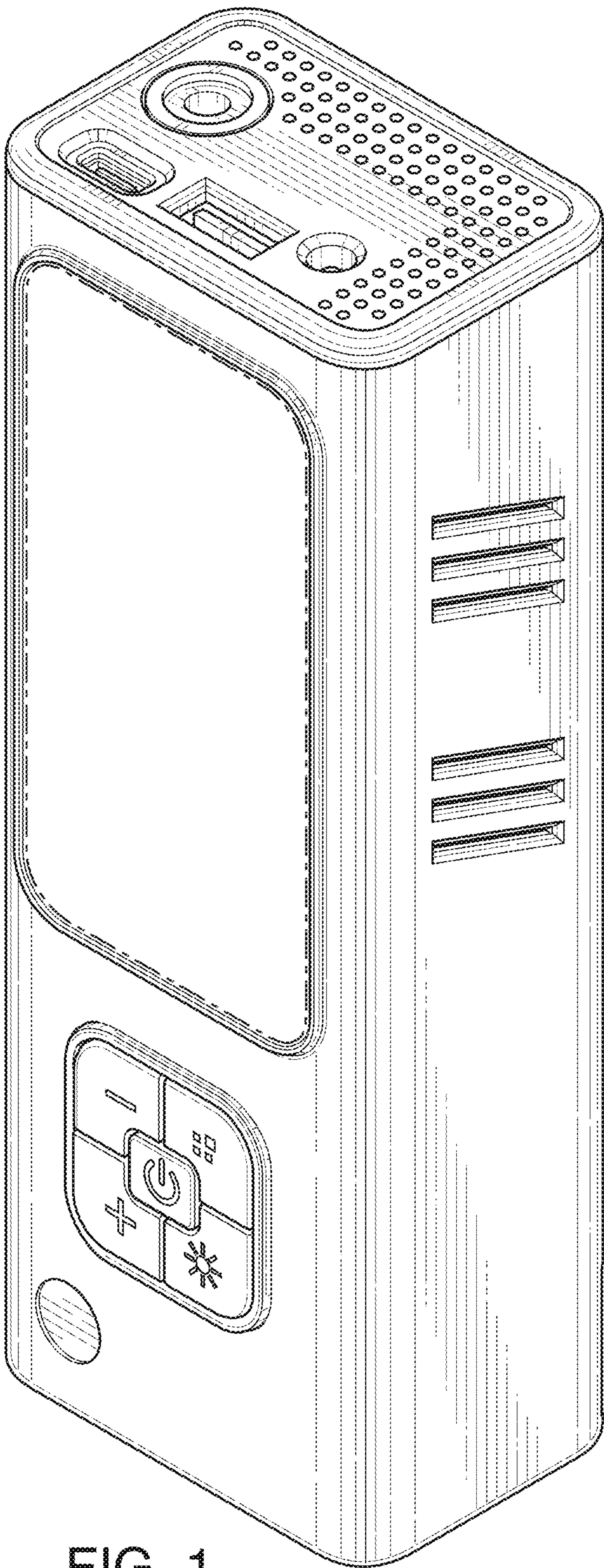


FIG. 1

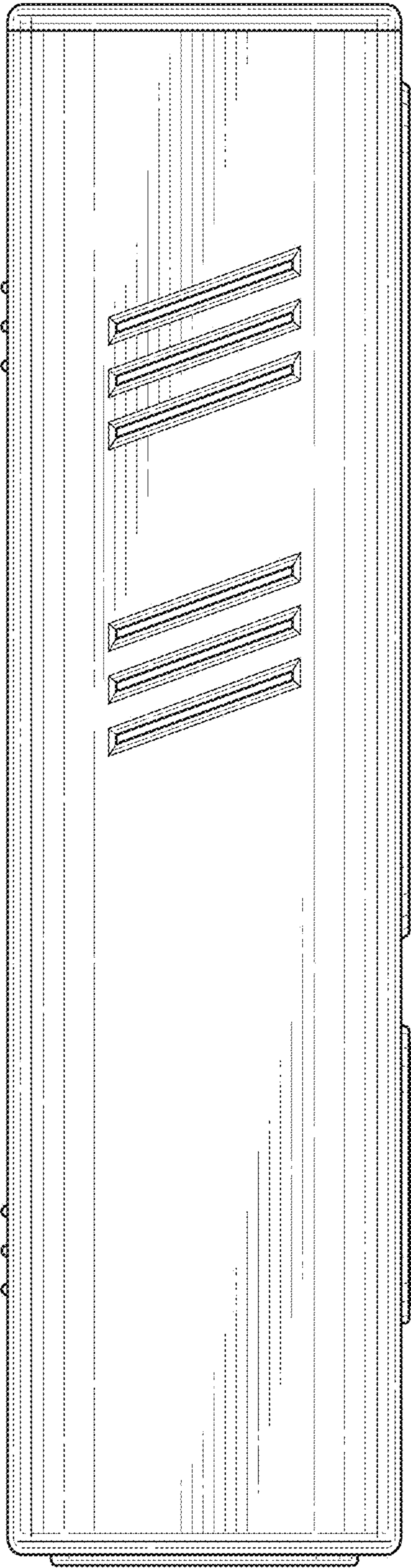


FIG. 2

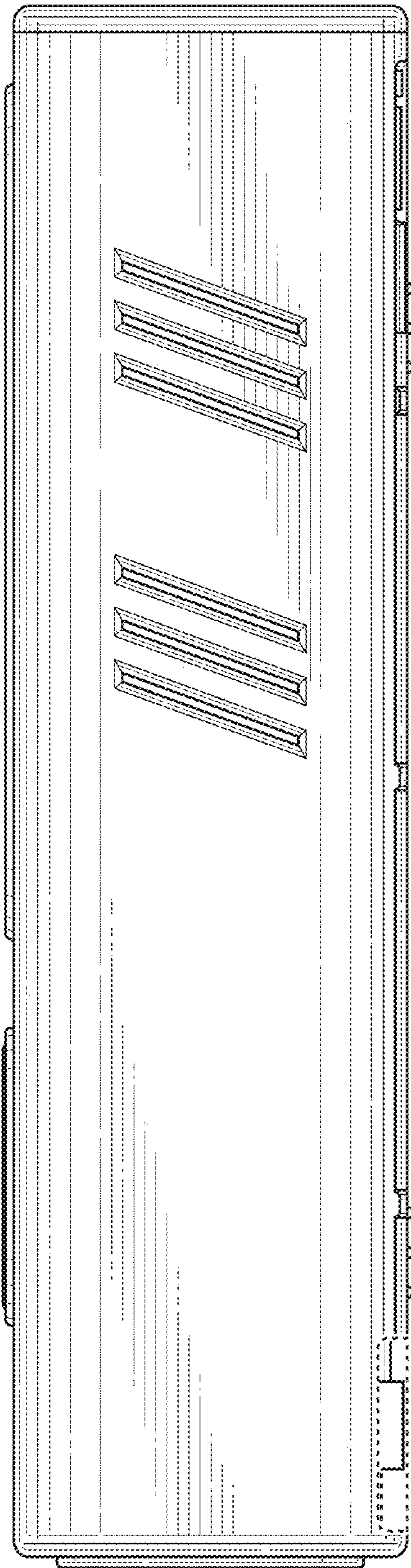


FIG. 3

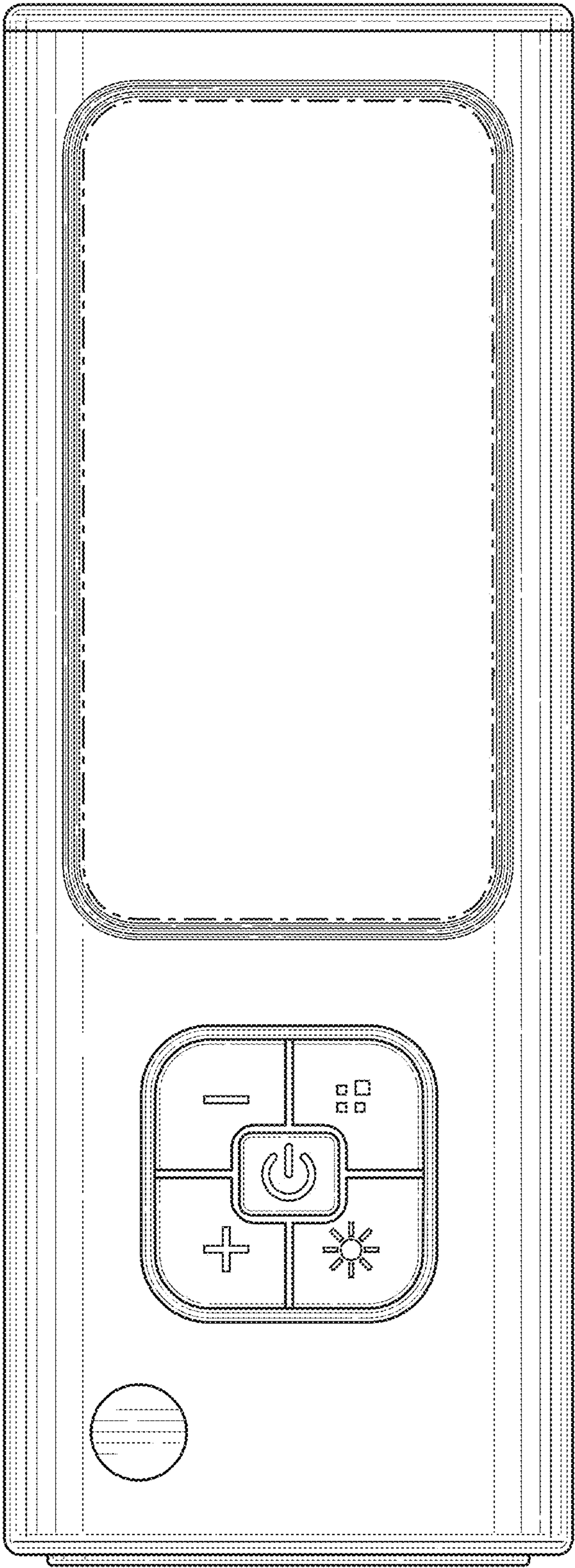


FIG. 4

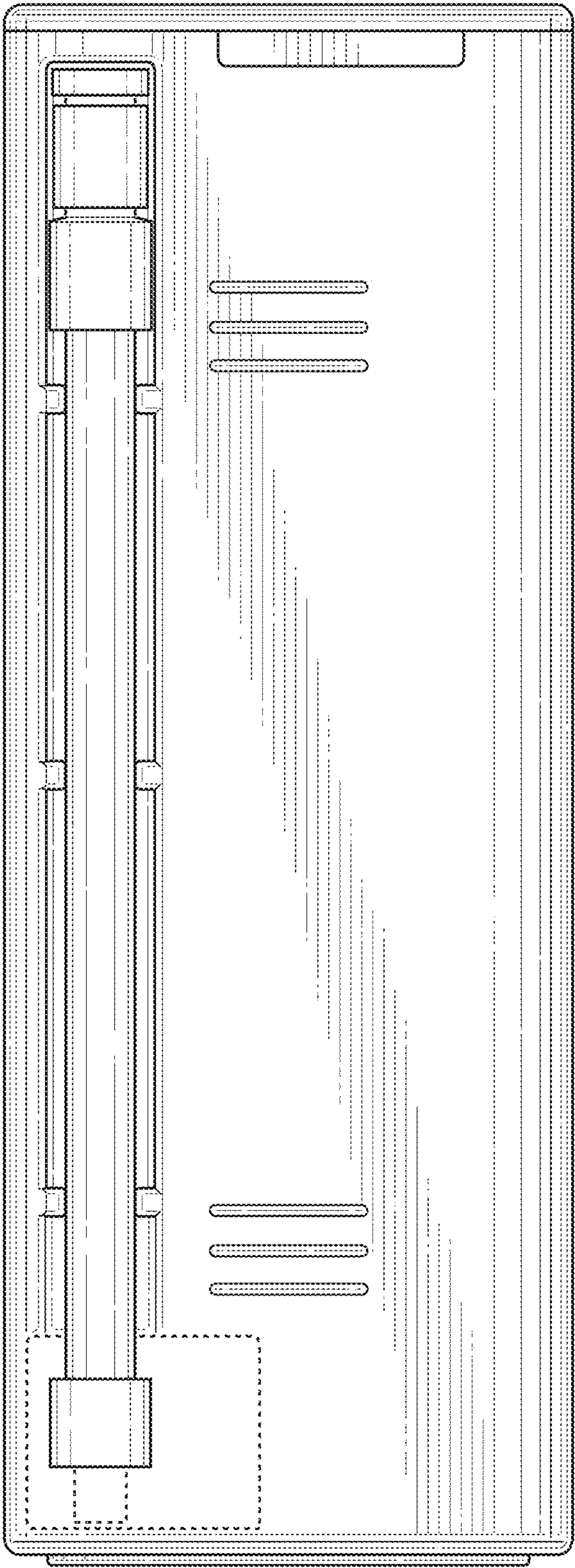


FIG. 5

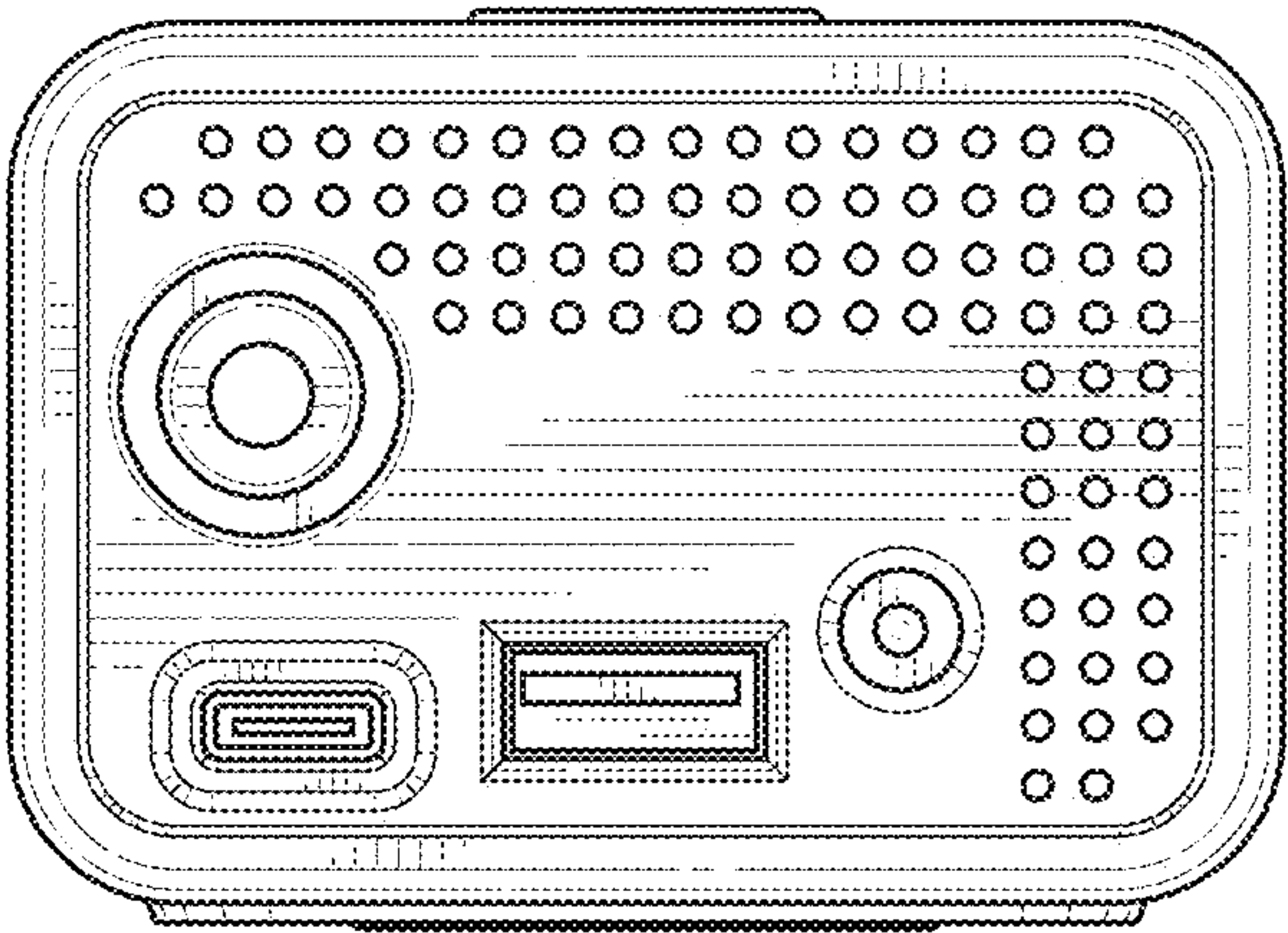


FIG. 6

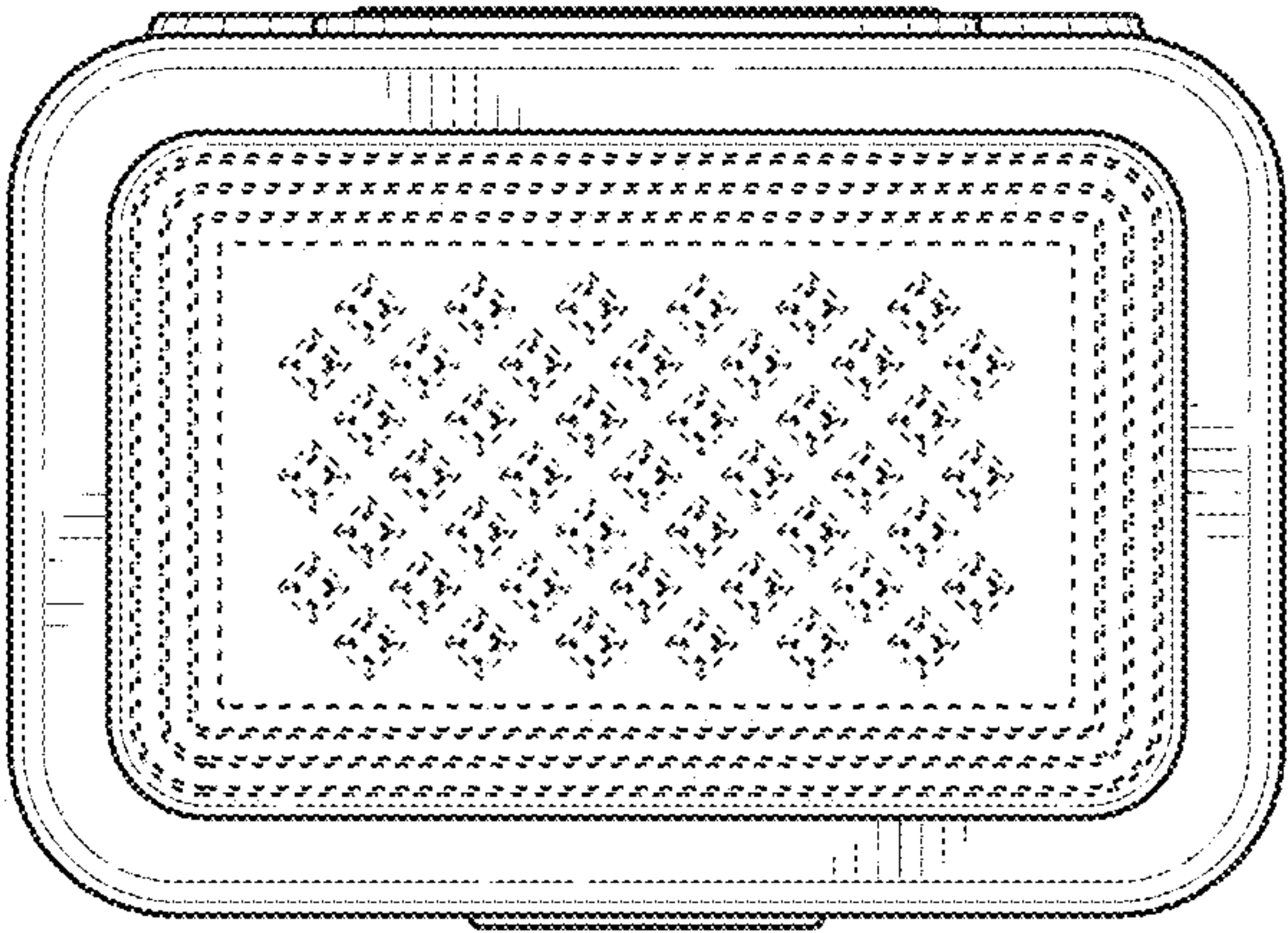


FIG. 7