



US00D973721S

(12) **United States Design Patent**
Sun

(10) **Patent No.:** **US D973,721 S**

(45) **Date of Patent:** **** Dec. 27, 2022**

(54) **INFLATOR PUMP**

(71) Applicant: **Ning Sun**, Weinan (CN)

(72) Inventor: **Ning Sun**, Weinan (CN)

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

(21) Appl. No.: **29/852,400**

(22) Filed: **Sep. 7, 2022**

(51) **LOC (13) Cl.** **15-02**

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

(58) **Field of Classification Search**
USPC D14/139, 154, 155, 196, 203.1–203.7,
D14/209.1, 210, 214, 221, 238.1, 363,
D14/341, 496; D15/7–9, 144.1, 144.2;
D12/114; D24/108, 110, 168, 170, 231,
D24/232
CPC F04B 53/14; F04B 53/92; F04B 33/00;
F04B 33/005; F04B 1/005; F04B 39/102;
F04D 13/06; F04D 29/22; F04D 29/046;
F04D 29/2266; F16K 11/048; F16K
15/20; F16K 31/602; F16L 37/18; F16L
37/20

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D470,510 S *	2/2003	Chen	.....	D15/9
D506,476 S *	6/2005	Andre	.....	D14/203.7
D516,576 S *	3/2006	Ive	.....	D14/203.7
D539,814 S *	4/2007	Andre	.....	D14/203.3
D602,499 S *	10/2009	Lewis	.....	D14/203.3
D606,040 S *	12/2009	Andre	.....	D14/203.3
D606,967 S *	12/2009	Andre	.....	D14/203.3
D629,789 S *	12/2010	Andre	.....	D14/203.3
D659,671 S *	5/2012	Andre	.....	D14/203.3
D660,821 S *	5/2012	Andre	.....	D14/203.7
D676,019 S *	2/2013	Andre	.....	D14/203.7

D822,065 S *	7/2018	Kang	.....	D14/203.3
D836,594 S *	12/2018	Hu	.....	D14/188
D900,795 S *	11/2020	Laffon de Mazieres	.....	D14/203.3
D916,933 S *	4/2021	Sun	.....	D15/7
D916,934 S *	4/2021	Sun	.....	D15/7
D935,488 S *	11/2021	Wang	.....	D15/7
D952,691 S	5/2022	Ding	.....

OTHER PUBLICATIONS

Slpearwer, Mini Portable Car Air Compressor Tire Inflator, 150 PSI Rechargeable Cordless Auto Air Pump, (first available Jan. 10, 2022), Amazon.com, URL:<https://www.amazon.com/dp/B09Q5RCNNM> (Year: 2022).*

Xiaomi, Portable Electric Air Inflator, Digital LED Light 2000mAh Lithium USB Rechargeable Battery Air Compressor, (first available Jul. 15, 2020), Amazon.com, URL:<https://www.amazon.com/Xiaomi-Frame-Mounted-Pumps/dp/B06Y3HPPFF> (Year: 2020).*

(Continued)

Primary Examiner — Calvin E Vansant

Assistant Examiner — Mark T. Philipps

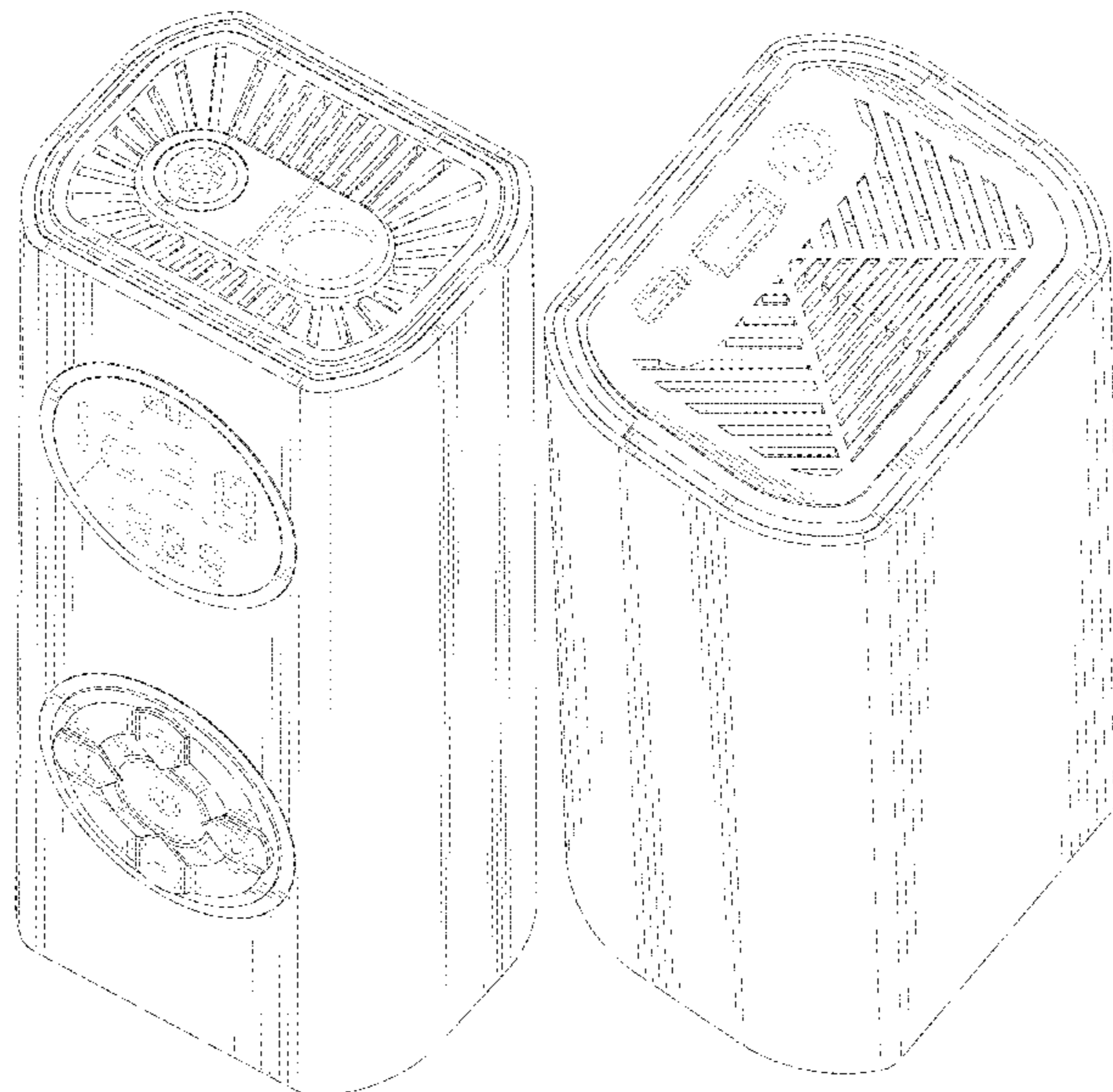
(57) **CLAIM**

The ornamental design for an inflator pump, as shown and described.

DESCRIPTION

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

1 Claim, 8 Drawing Sheets



(56)

References Cited

OTHER PUBLICATIONS

Pysac, Portable Air Compressor Smart Tire Inflator, (first available on Mar. 21, 2022), Amazon.com, URL:<<https://www.amazon.com/dp/B09W2F7QFP>> (Year: 2022).*

Taomika, Tire Inflator Portable Air Compressor, (first available Dec. 8, 2021), Amazon.com, URL:<<https://www.amazon.com/dp/B09N97H978>> (Year: 2021).*

* cited by examiner

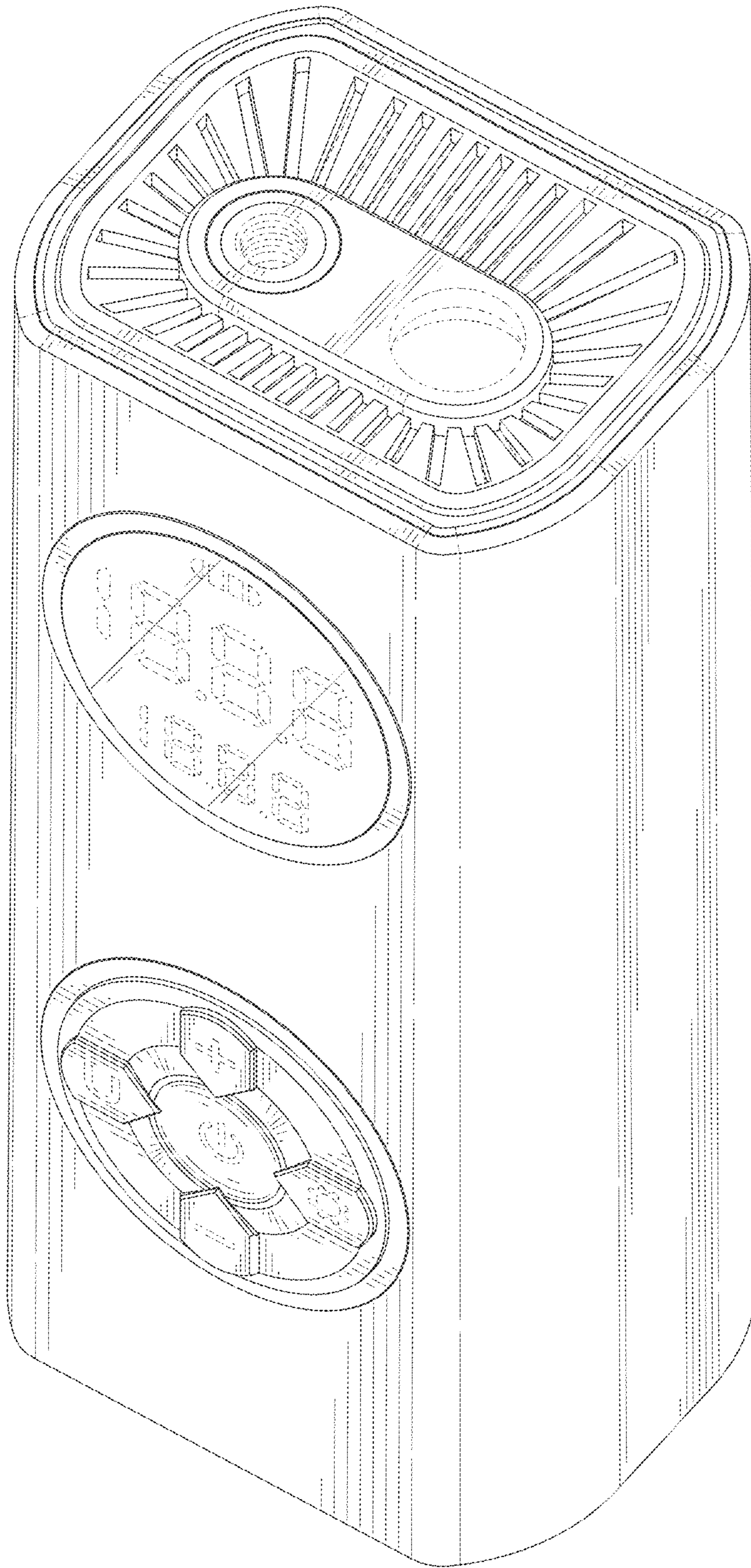


FIG. 1

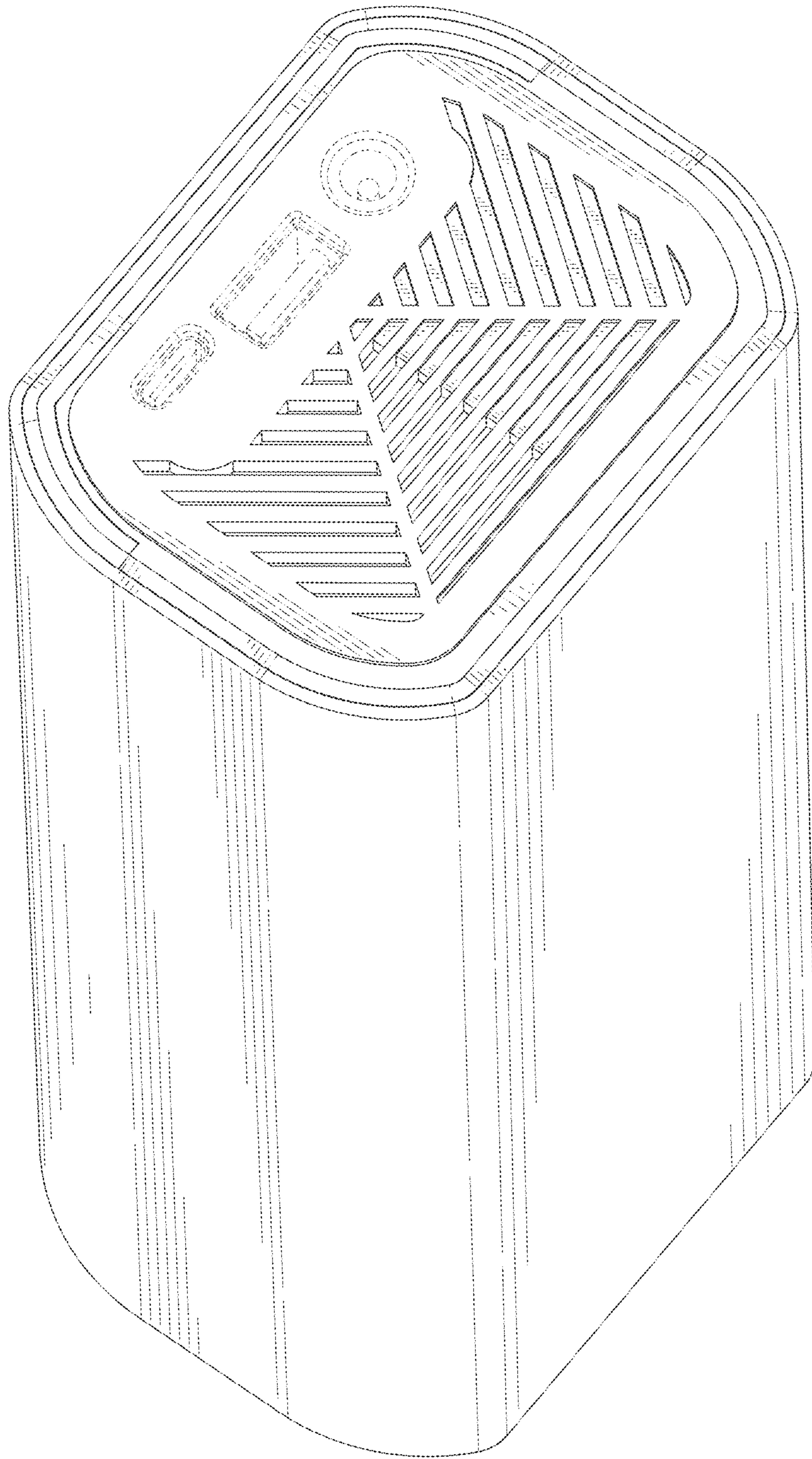


FIG. 2

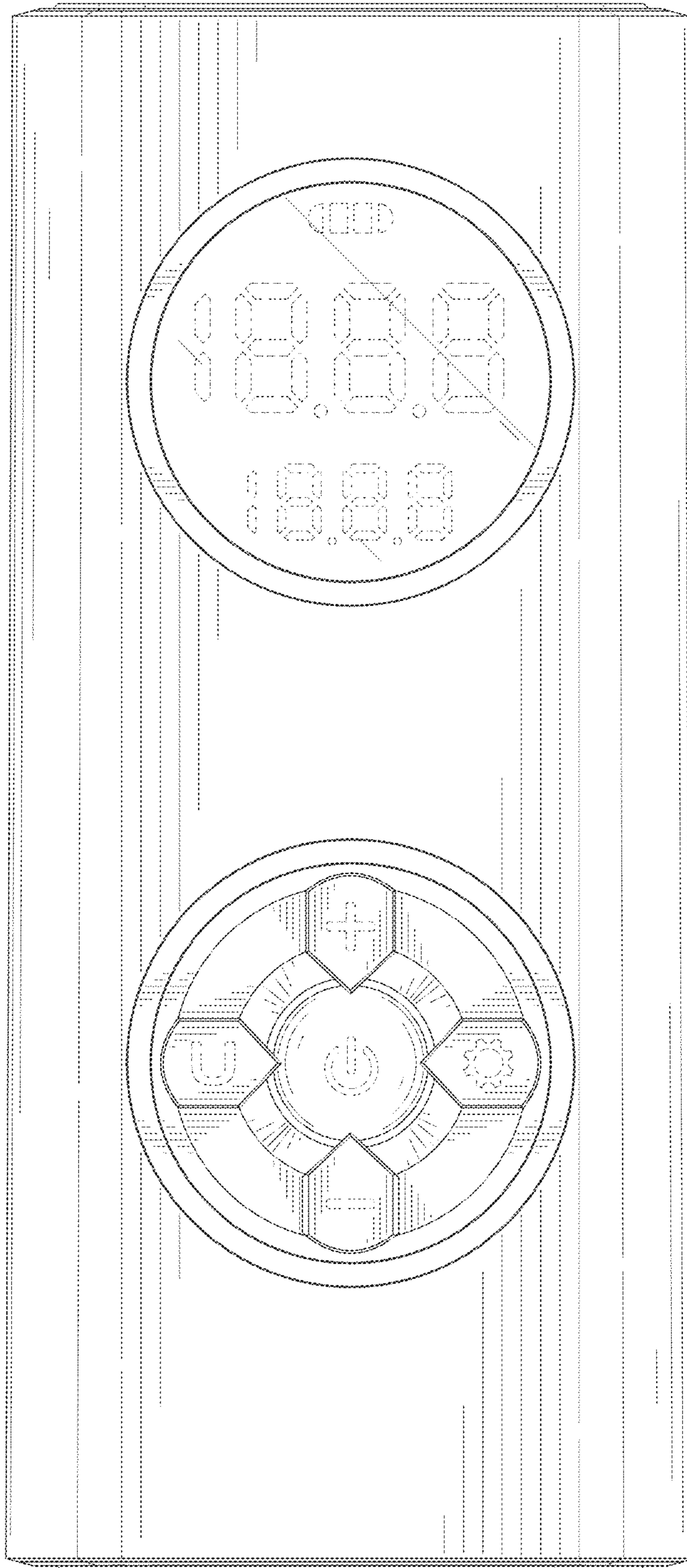


FIG. 3

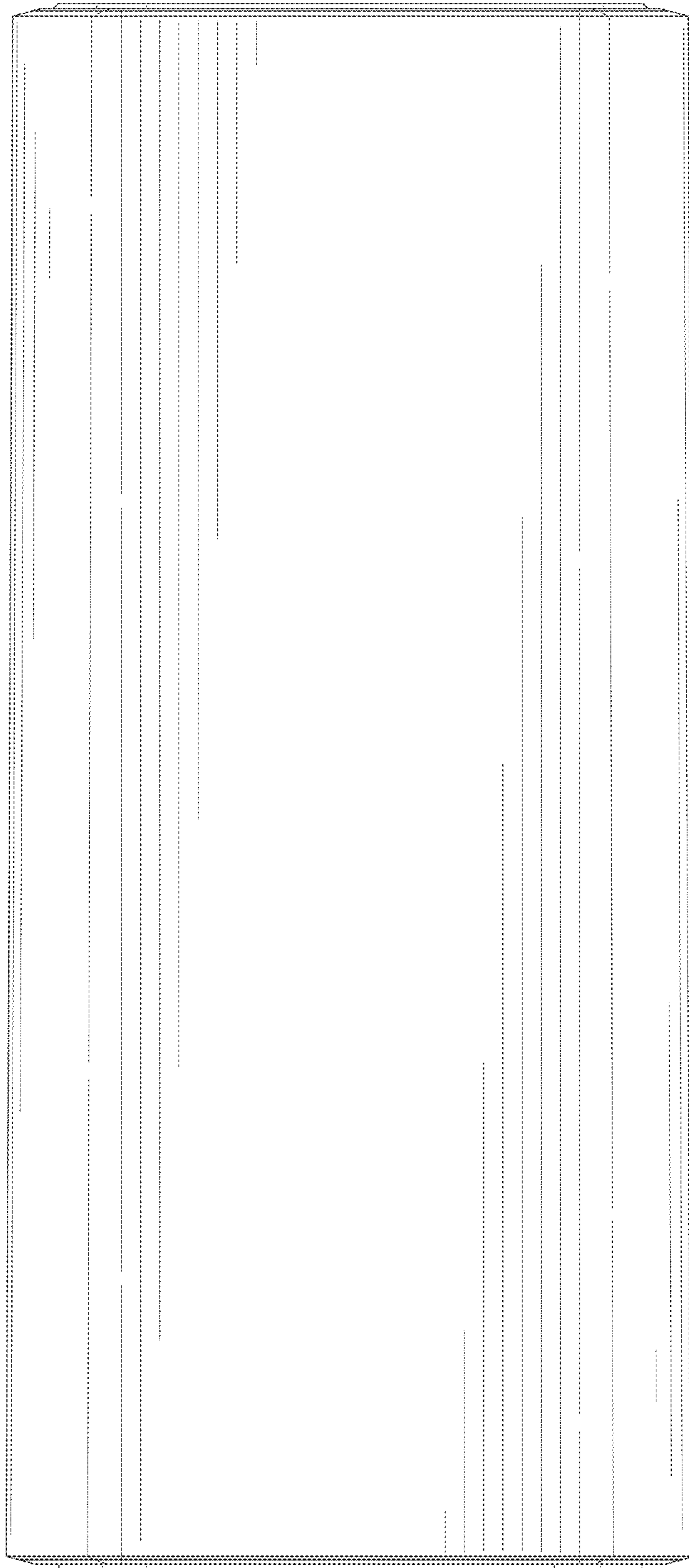


FIG. 4

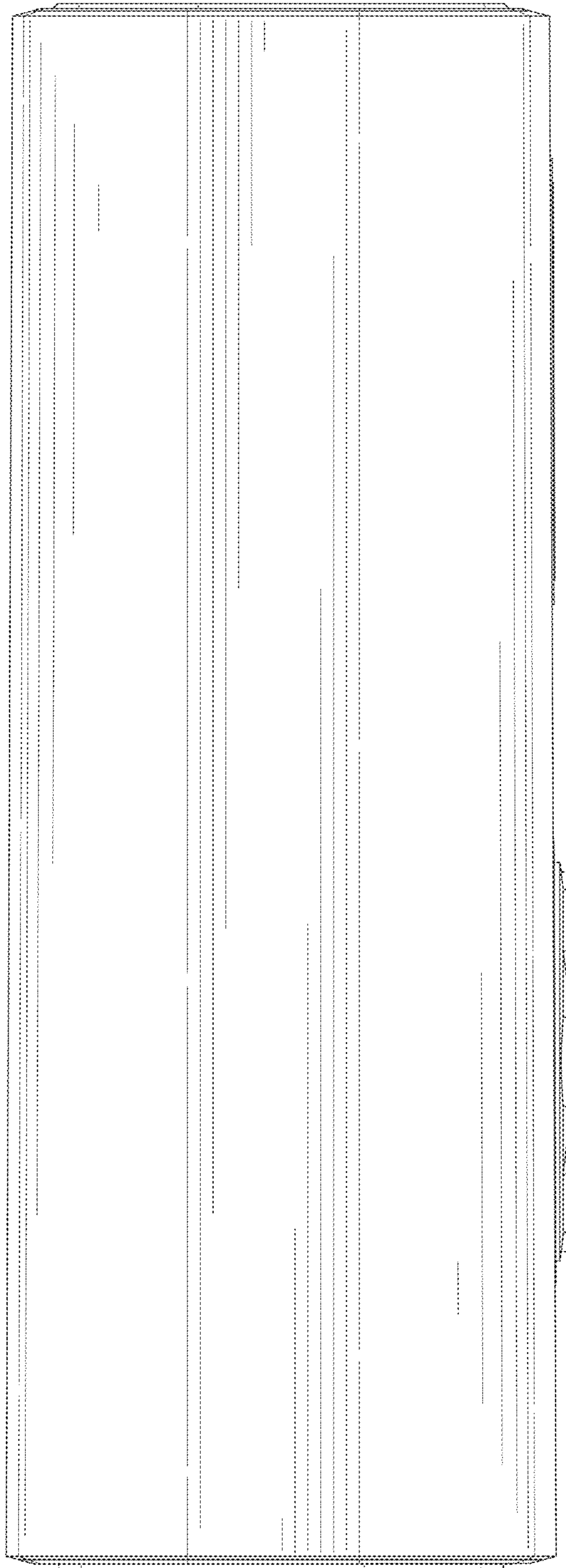


FIG. 5

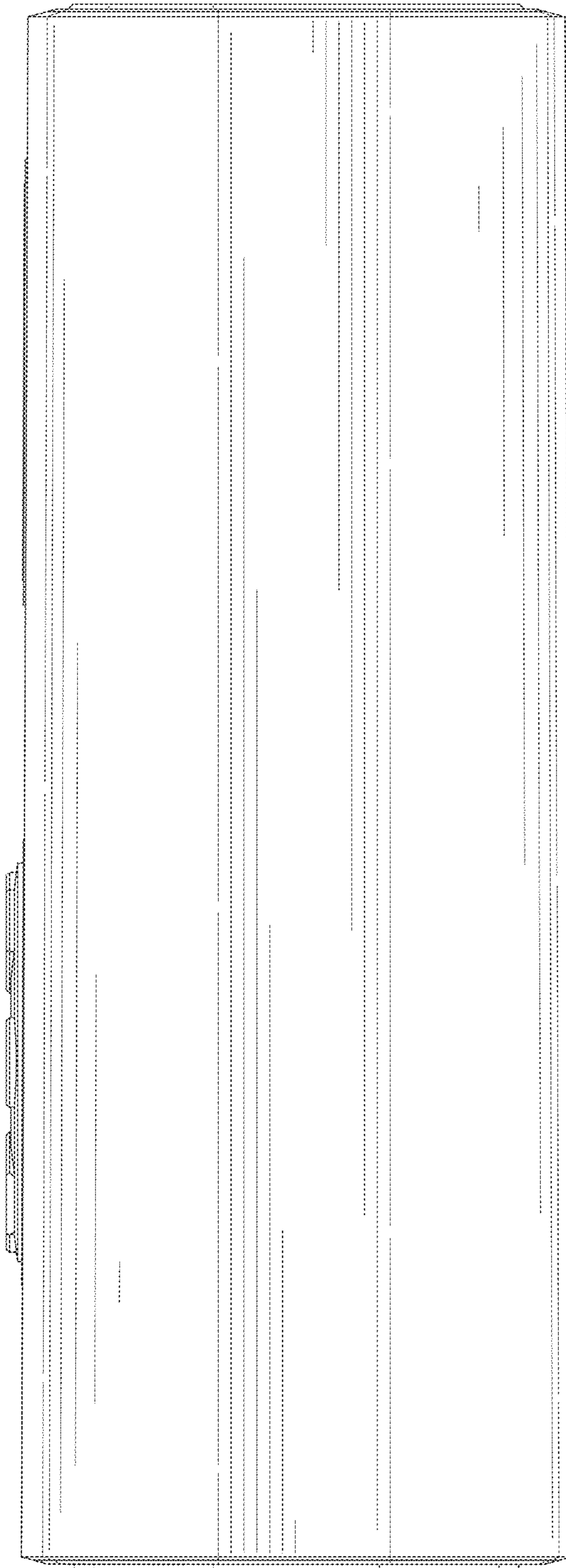


FIG. 6

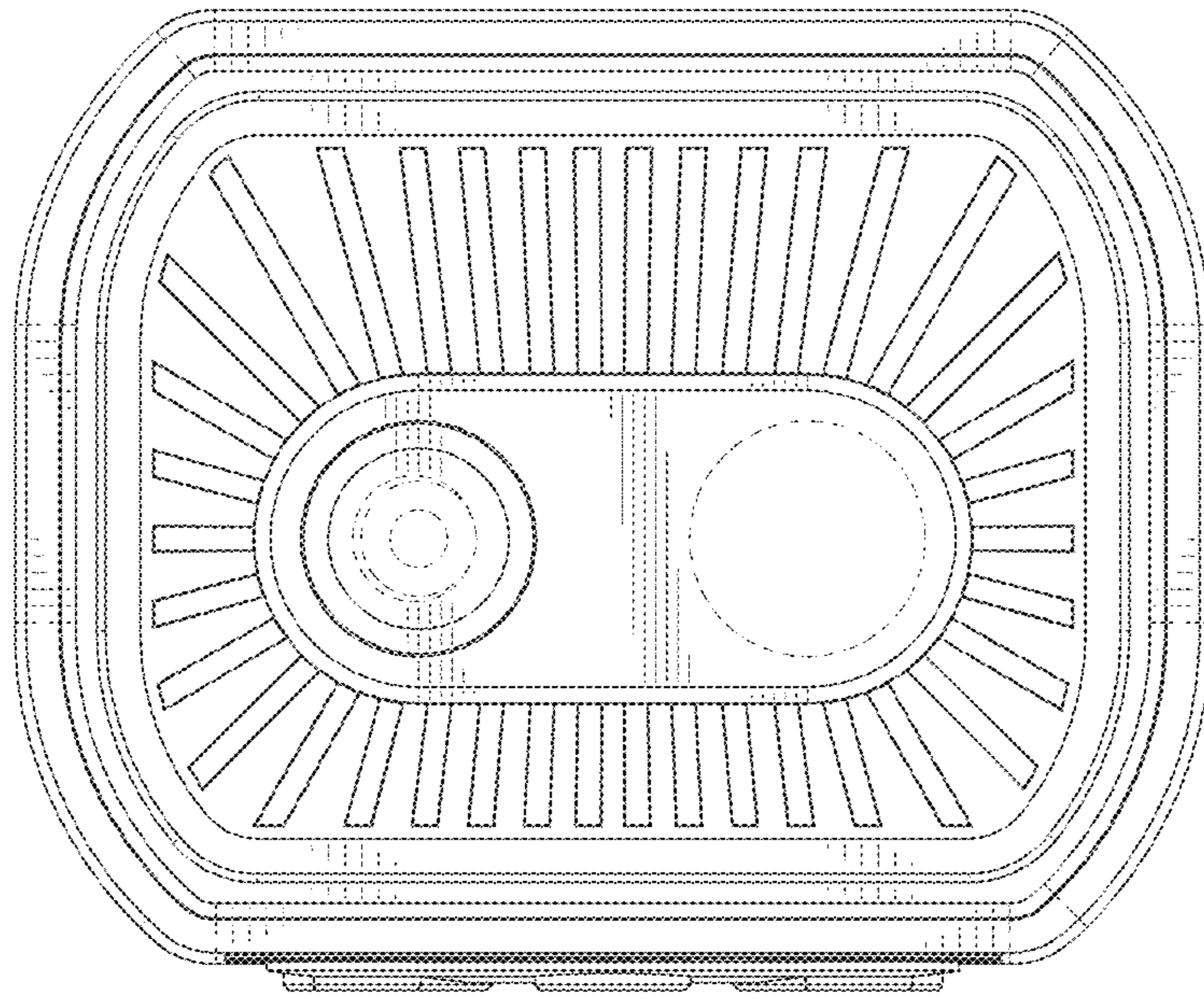


FIG. 7

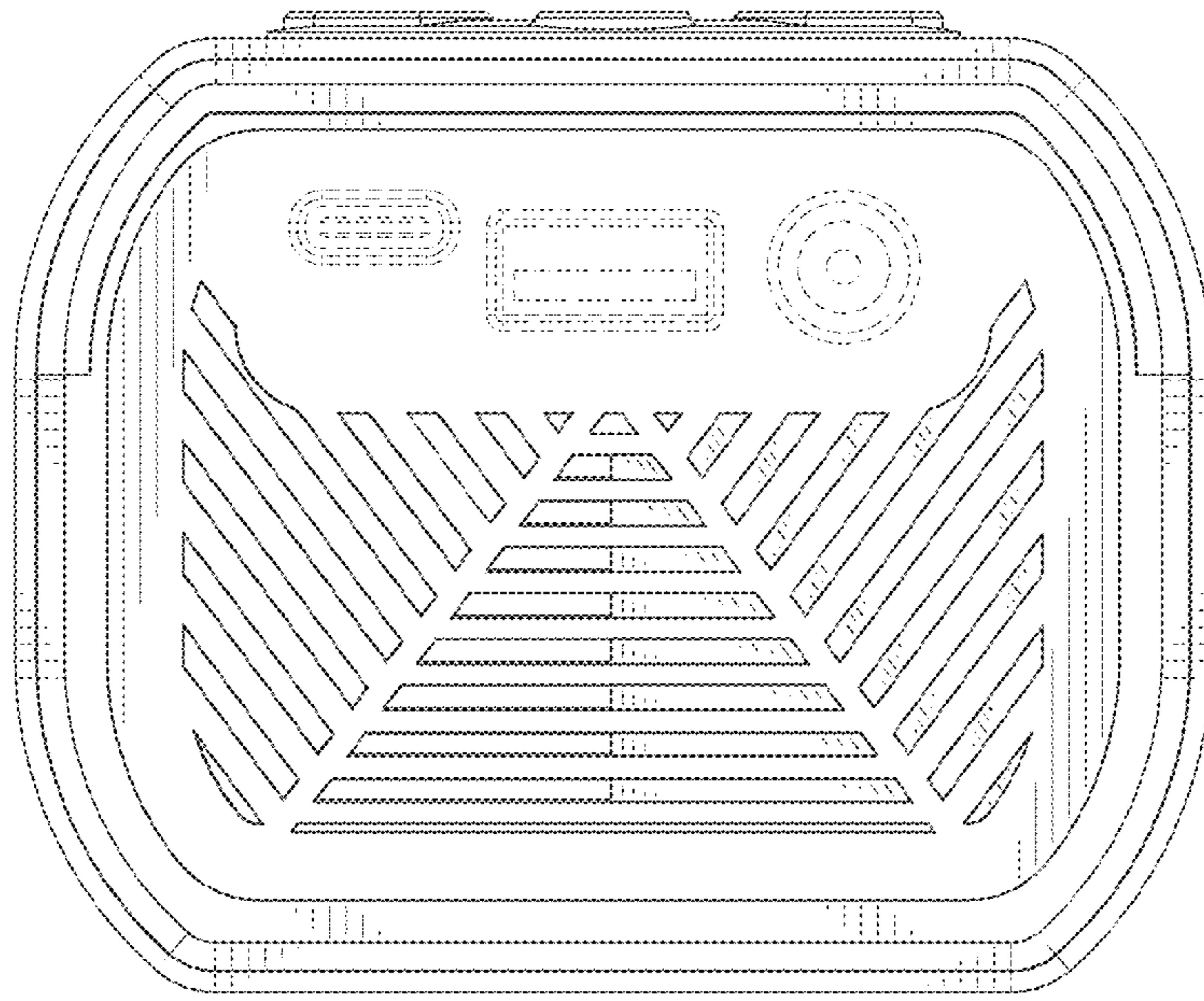


FIG. 8