



US00D834433S

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

(10) **Patent No.:** **US D834,433 S**

(45) **Date of Patent:** **** Nov. 27, 2018**

(54) **TRACE ANALYSIS INSTRUMENT**

H05G 1/023; A61B 10/0045; A61B
10/0051; A61B 2010/0006; A61B
2010/0009; G06K 9/00

(71) Applicant: **FLIR Detection, Inc.**, Stillwater, OK
(US)

See application file for complete search history.

(72) Inventors: **Philip Tackett**, Lafayette, IN (US);
Kyle Buzzard, Lombard, IL (US);
Timothy Zarki, San Francisco, CA
(US)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D330,171 S * 10/1992 Wilson D10/46
D333,441 S * 2/1993 Greene D10/46

(Continued)

(73) Assignee: **FLIR Detection, Inc.**, Stillwater, OK
(US)

FOREIGN PATENT DOCUMENTS

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

WO WO 2011/052863 5/2011

(21) Appl. No.: **29/607,474**

OTHER PUBLICATIONS

(22) Filed: **Jun. 13, 2017**

Inficon, "HAPSITE ER", Product Brochure 2009, 4 pages.
PerkinElmer, "Torion T-9", Product Brochure 2015-2016, 8 pages.

(51) **LOC (11) Cl.** **10-04**

(52) **U.S. Cl.**

USPC **D10/81**

(58) **Field of Classification Search**

USPC D10/78, 81

CPC G01N 30/72; G01N 30/02; G01N 30/7206;

G01N 30/88; G01N 2030/0095; G01N

27/16; G01N 27/18; G01N 27/185; G01N

33/0006; G01N 33/0009-33/0075; G01N

1/24; G01N 1/2205; G01N 1/2273; G01N

2001/2276; G01N 23/10; G01N 23/223;

G01N 2223/076; G01N 29/226; G01N

2223/0763; G01N 2223/0766; G01N

21/8483; G01N 21/84; G01N 21/77;

G01N 21/78; G01N 21/94; G01N 21/01;

G01N 21/6428; G01N 21/643; G01N

21/293; G01N 21/33; G01N 1/02; G01N

35/00009; G01N 35/1095; G01N

2001/024; G01N 2001/028; G01N

2001/022; G01N 2001/2833; G01N

2001/007; G01N 2001/021; G01N

2021/7786; G01N 2021/7733; G01N

33/0057; G01N 33/227; G01N 33/22;

G01N 33/0032; G01N 31/22; G01N

2201/0221; G01D 11/24; G08B

17/10-17/117; H05G 1/02; H05G 1/06;

(57) **CLAIM**

The ornamental design for a trace analysis instrument, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of the trace analysis instrument embodying our new design.

FIG. 2 is a side elevational view thereof.

FIG. 3 is a side elevational view thereof.

FIG. 4 is a top plan view thereof.

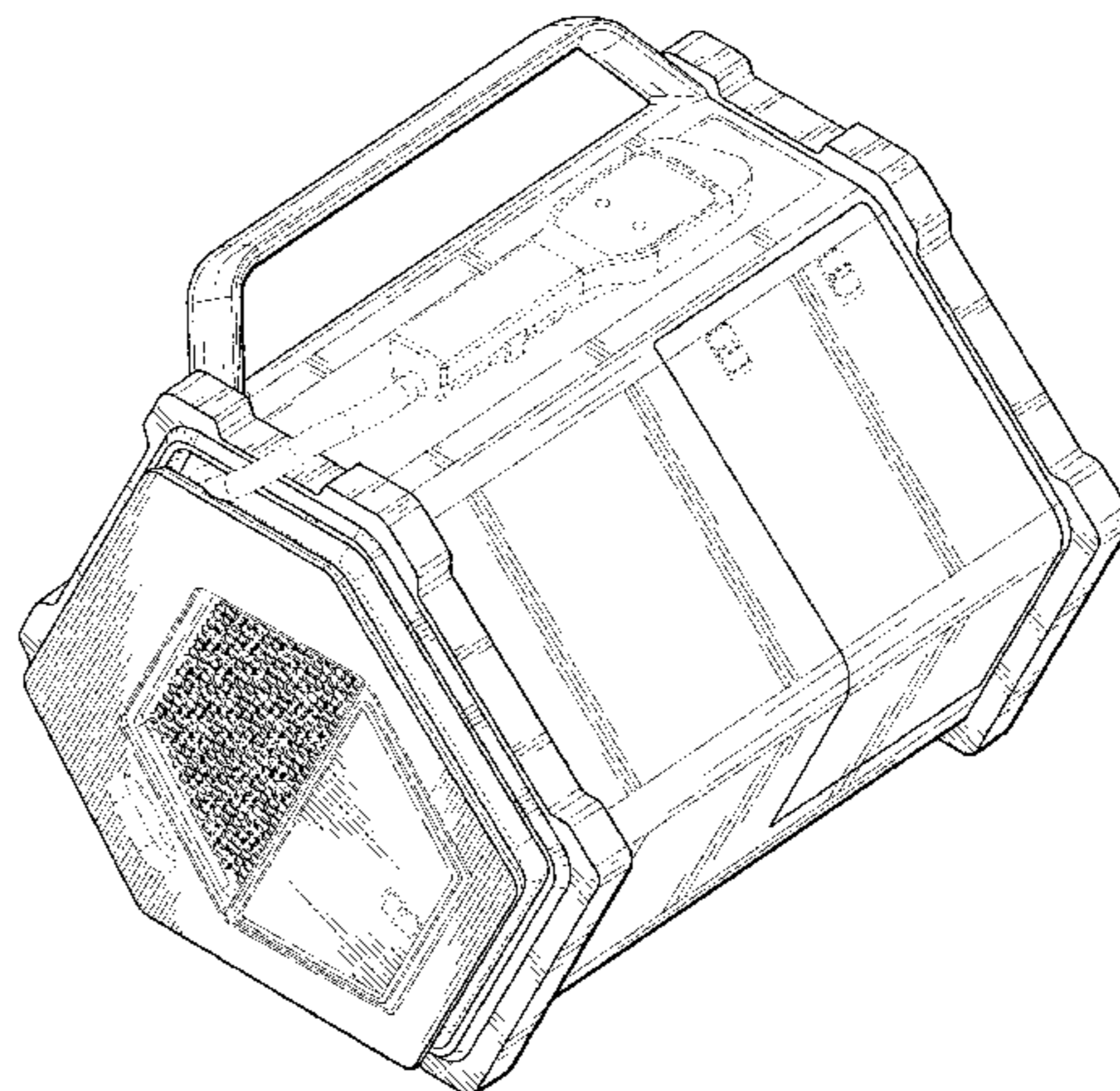
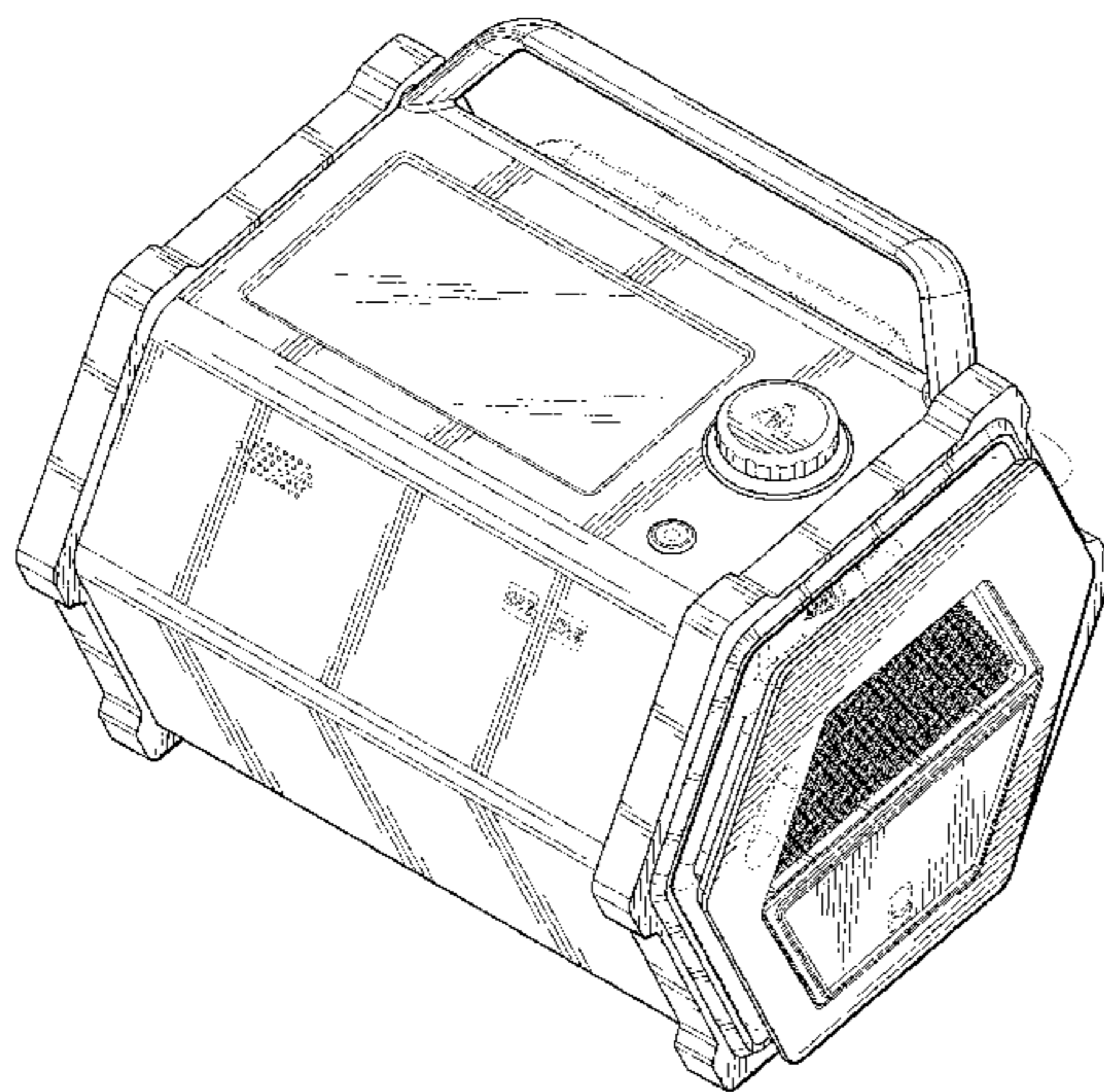
FIG. 5 is a bottom plan view thereof.

FIG. 6 is a side elevational view thereof.

FIG. 7 is a side elevational view thereof; and,

FIG. 8 is another perspective view thereof.

(Continued)



The broken lines in the figures are shown for the purpose of illustrating portions of the trace analysis instrument and/or environmental matter and form no part of the claimed design.

1 Claim, 8 Drawing Sheets

(56)

References Cited

U.S. PATENT DOCUMENTS

5,525,799	A	6/1996	Andresen et al.	
6,351,983	B1	3/2002	Haas et al.	
2011/0088490	A1*	4/2011	Ludwick	G01N 1/2273 73/863.11

* cited by examiner

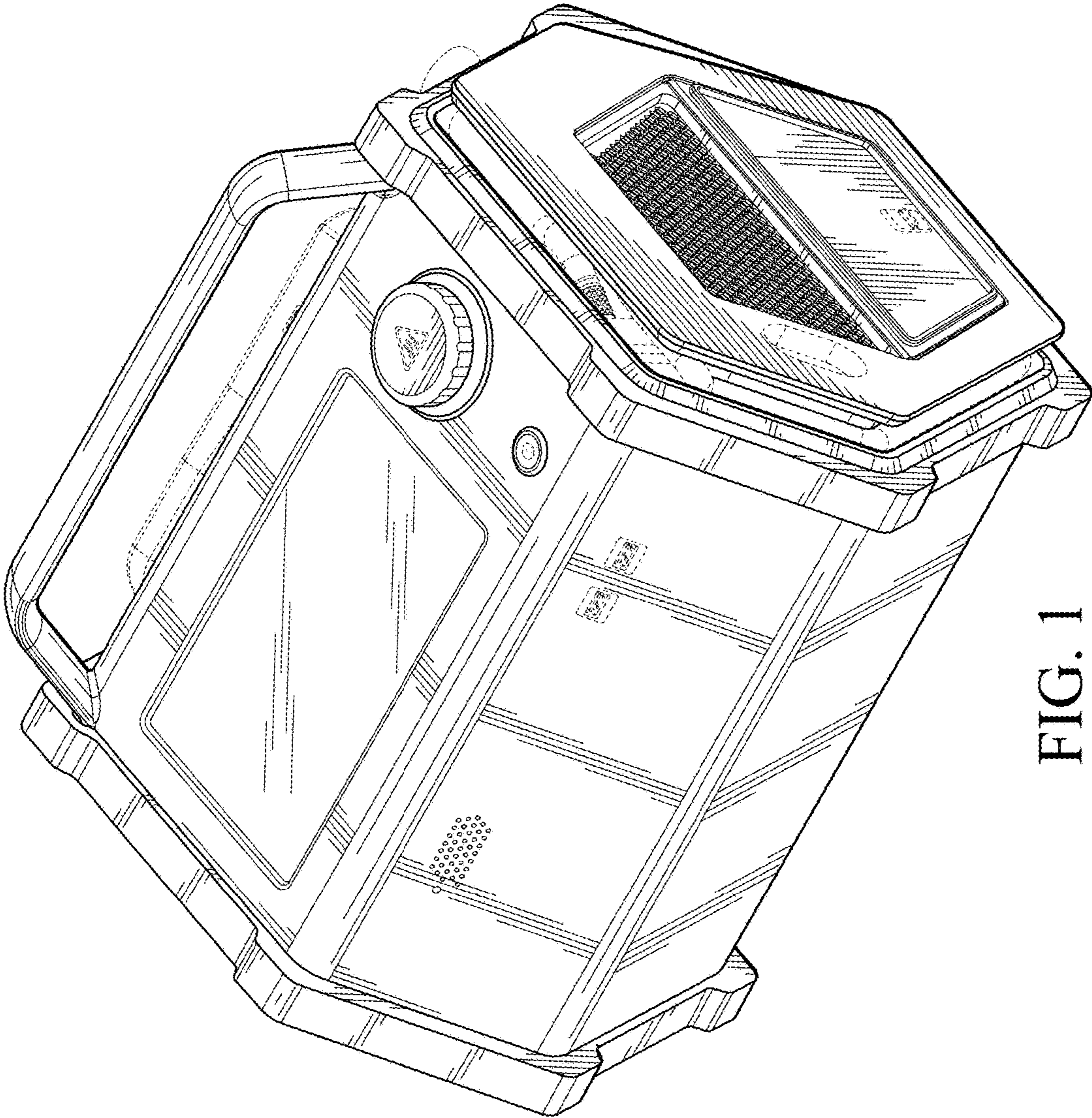


FIG. 1

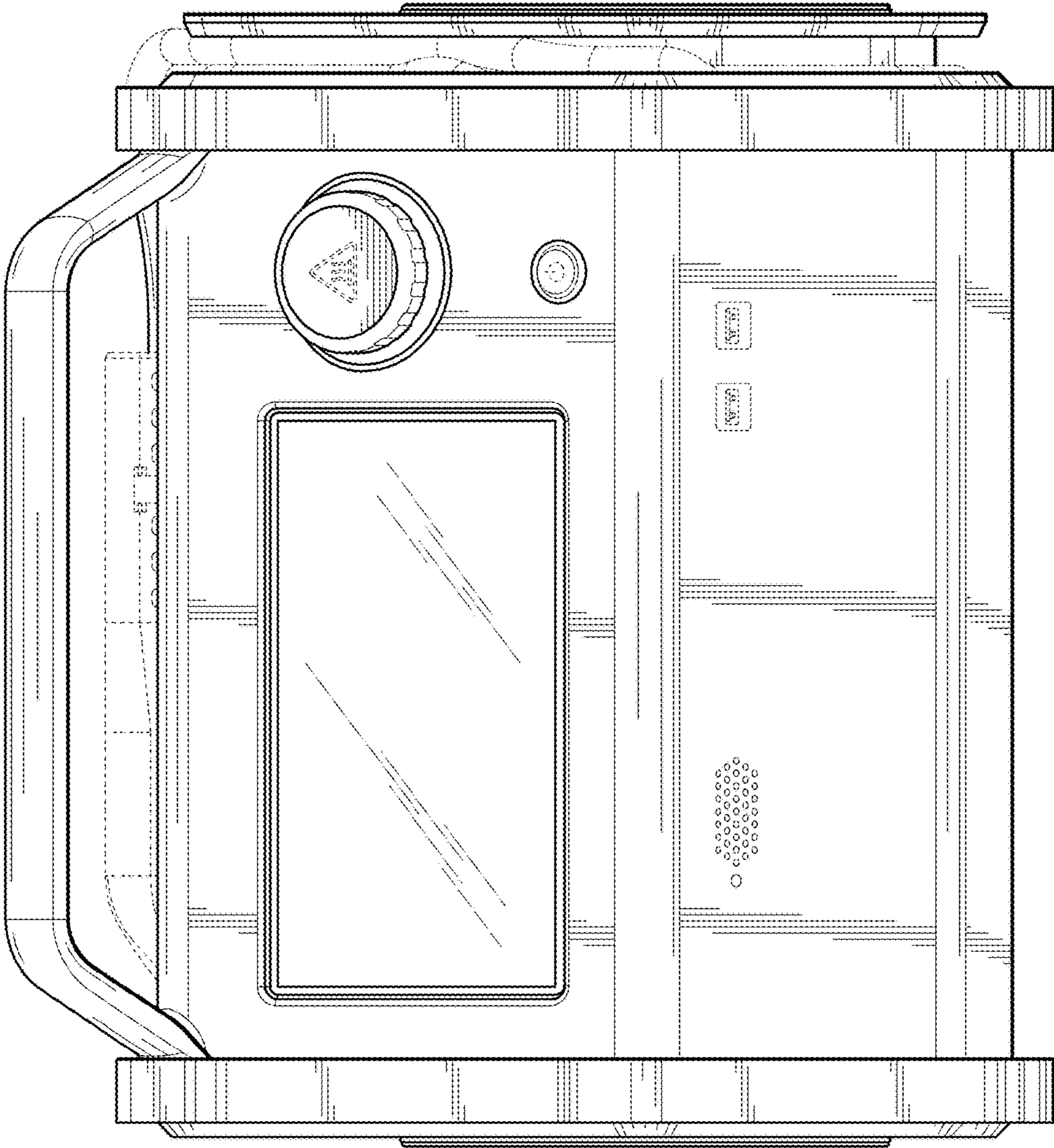


FIG. 2

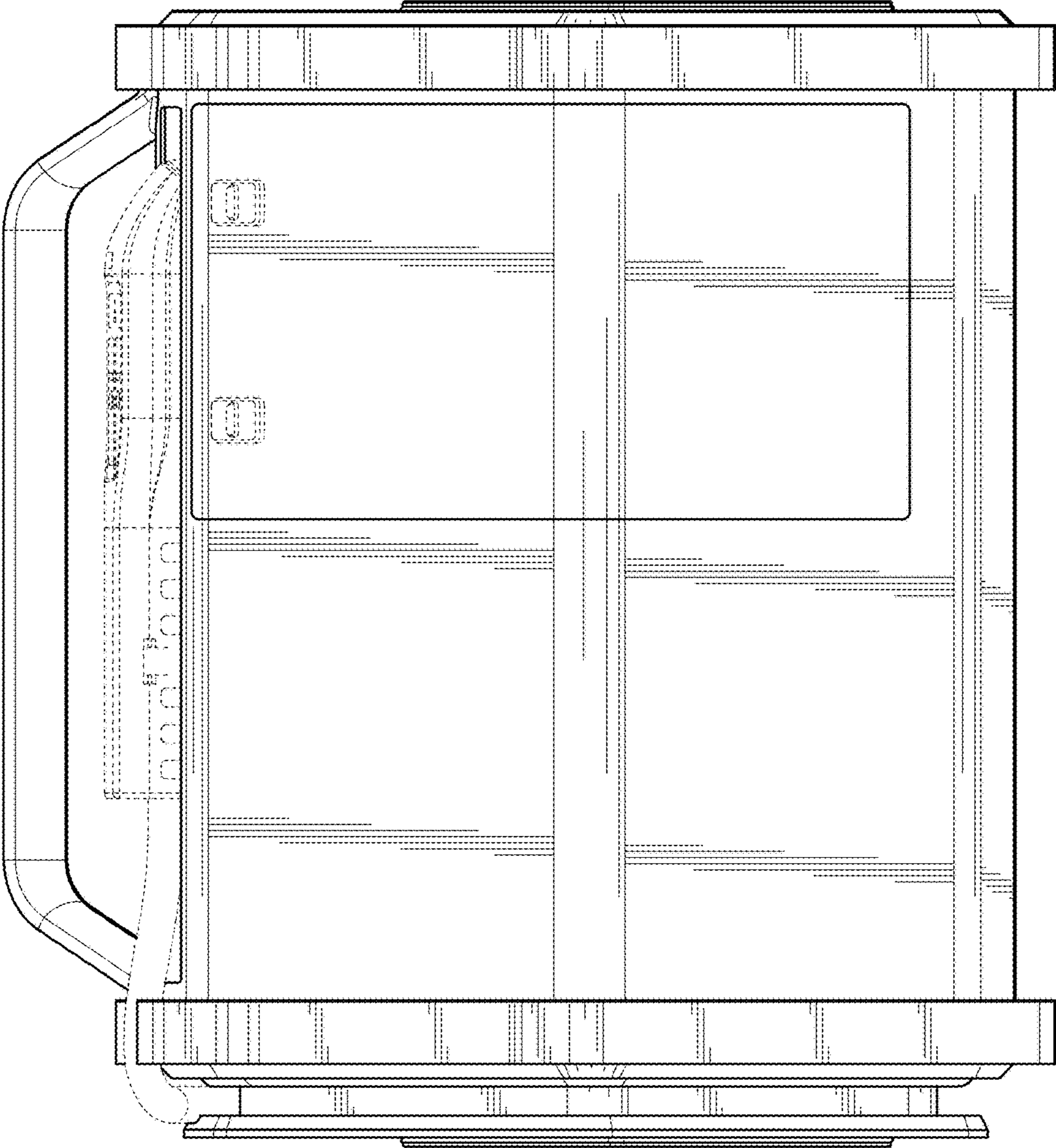


FIG. 3

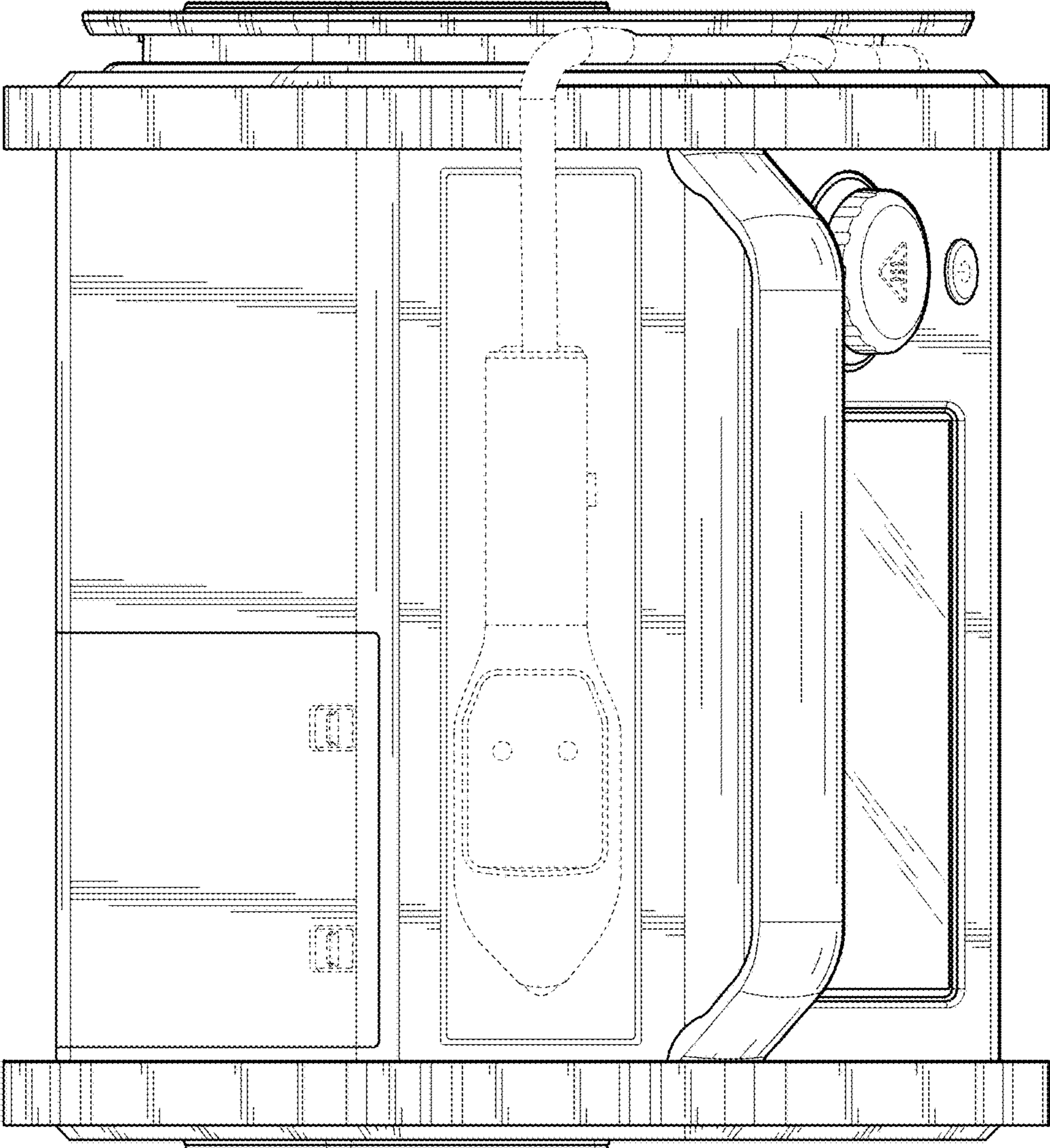


FIG. 4

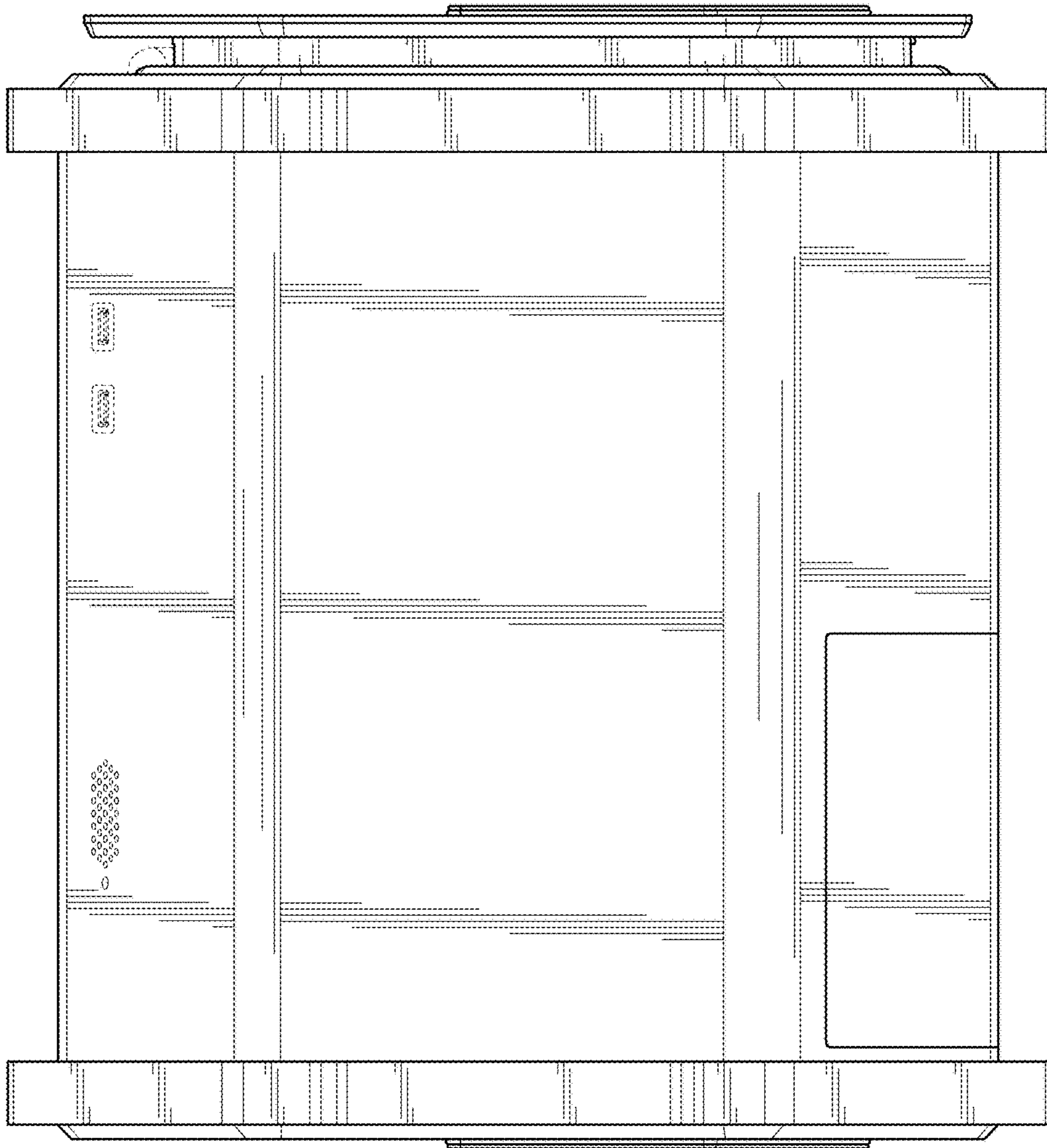


FIG. 5

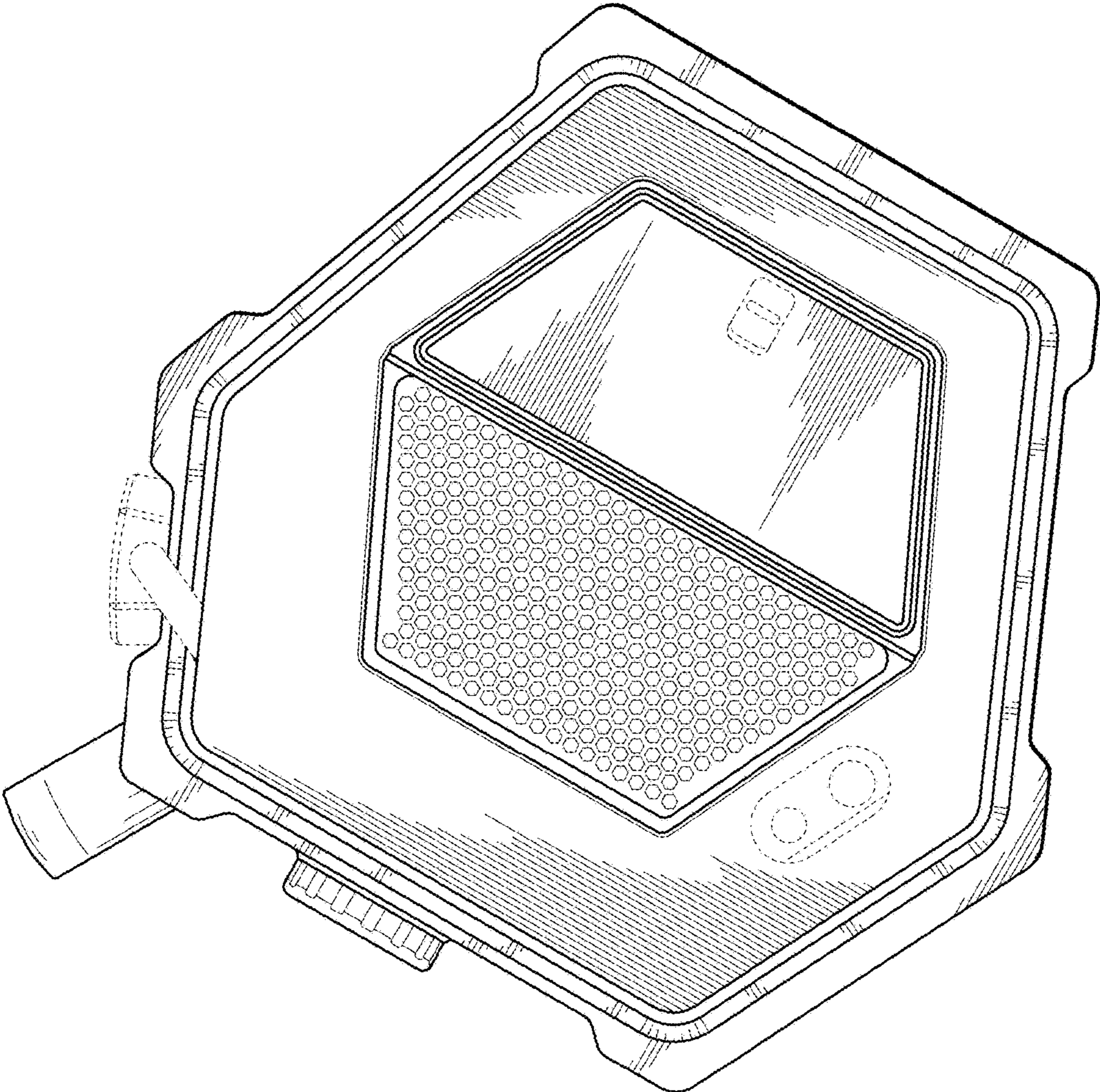


FIG. 6

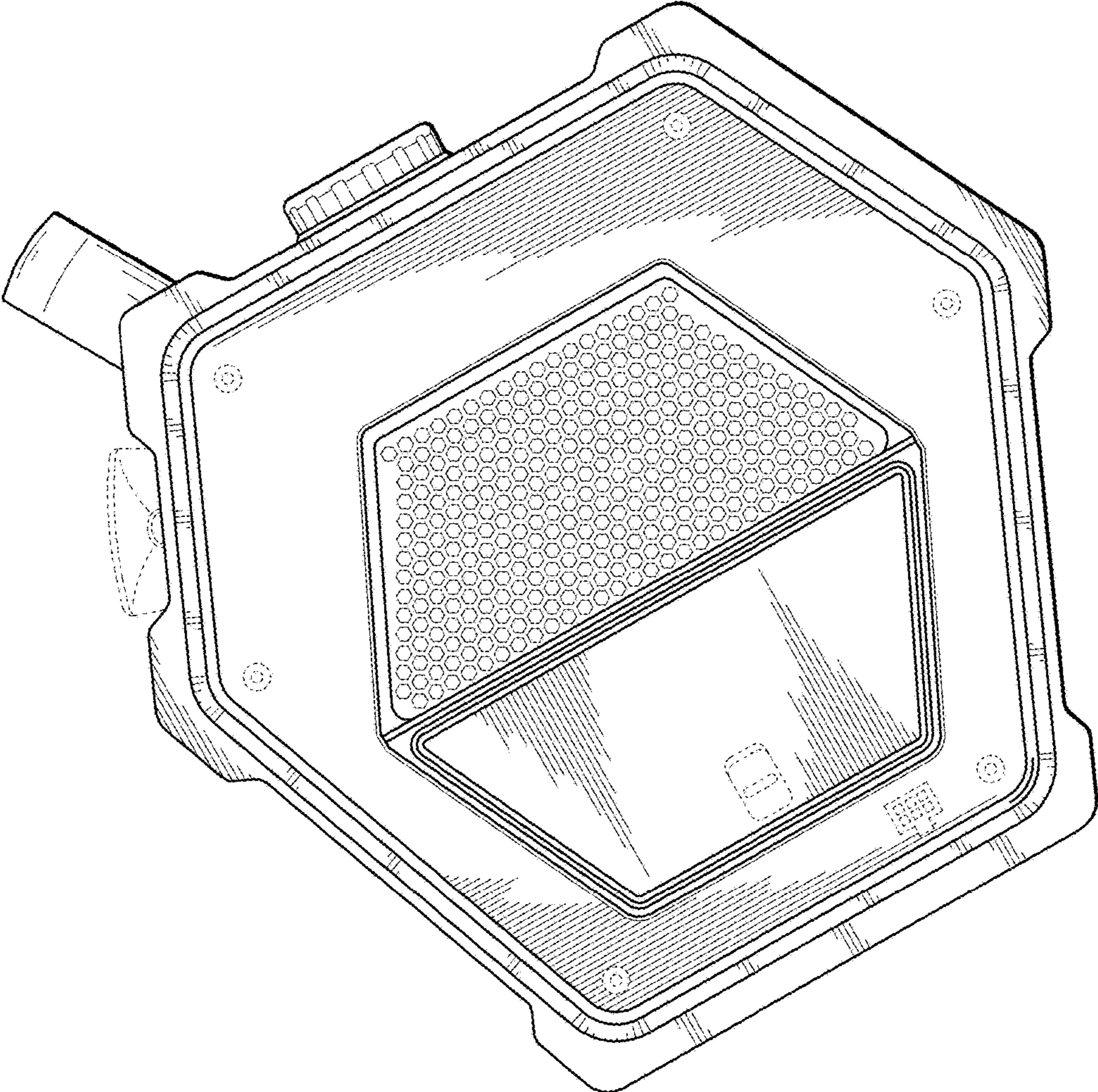


FIG. 7

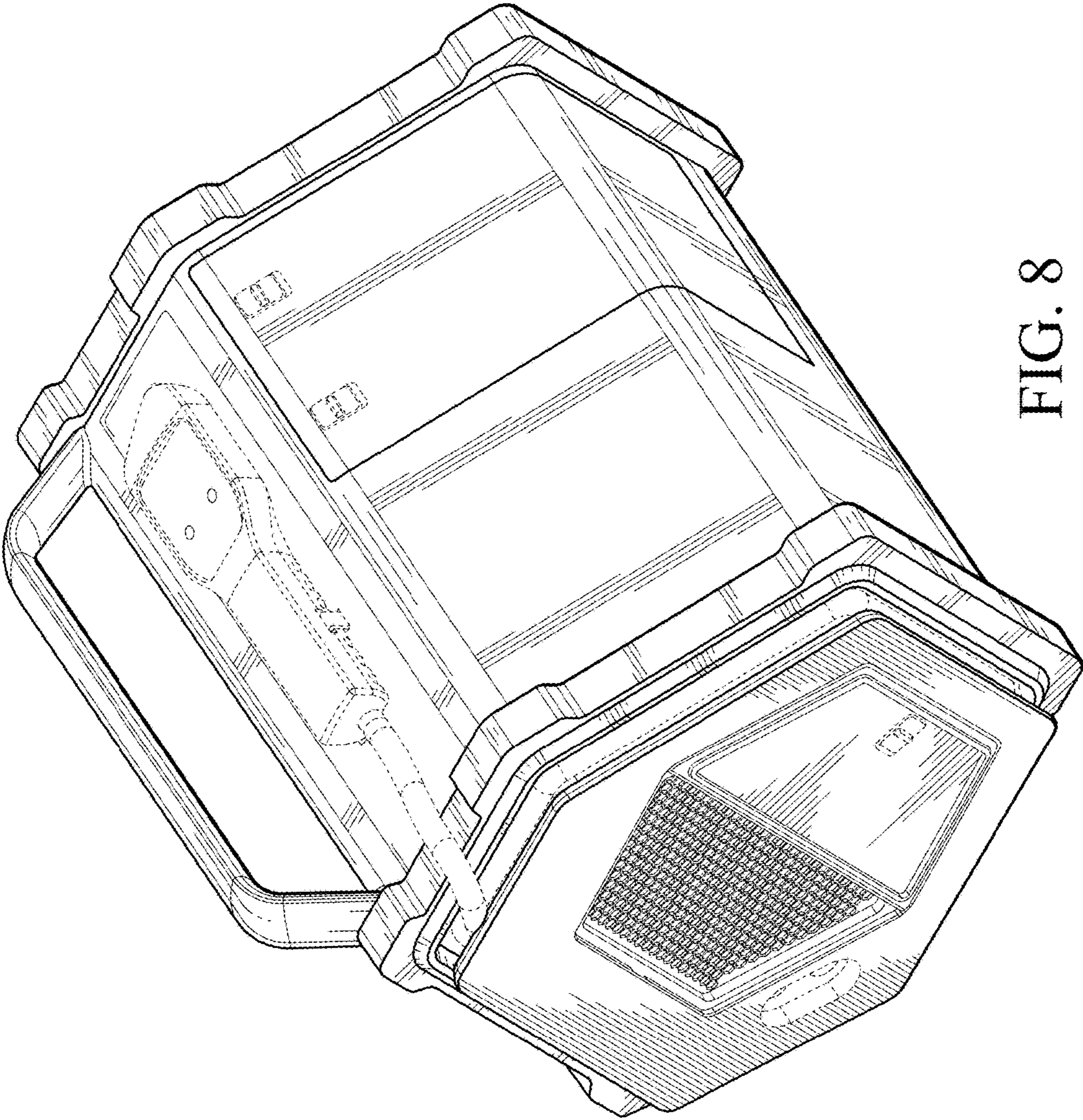


FIG. 8