



US00D837666S

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

(10) **Patent No.:** **US D837,666 S**
(45) **Date of Patent:** **** Jan. 8, 2019**

(54) **CONTROL DEVICE**

(71) Applicant: **Johnson Controls Technology Company**, Plymouth, MI (US)

(72) Inventors: **Tim Butler**, Milwaukee, WI (US); **Phil Bushong**, Milwaukee, WI (US); **Dave DeBoer**, Milwaukee, WI (US); **Kirk Henderson**, Milwaukee, WI (US); **Roy Rader**, Milwaukee, WI (US); **Debra Weich**, Milwaukee, WI (US)

(73) Assignee: **Johnson Controls Technology Company**, Auburn Hills, MI (US)

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

(21) Appl. No.: **29/592,010**

(22) Filed: **Jan. 25, 2017**

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

(52) **U.S. Cl.**
USPC **D10/49; D10/50; D13/162**

(58) **Field of Classification Search**
USPC **D13/108, 152, 162, 184; D10/49, 50, D10/104.1; D14/240, 358, 356; D9/426, D9/432**

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D258,577 S * 3/1981 Bottner D10/104.1
D260,090 S * 8/1981 Hughes D13/152

(Continued)

FOREIGN PATENT DOCUMENTS

CN 302042137 8/2005
CN 3677789 8/2007

(Continued)

Primary Examiner — Selina Sikder

(74) *Attorney, Agent, or Firm* — Foley & Lardner LLP

(57) **CLAIM**

We claim the ornamental design for a control device, as shown and described.

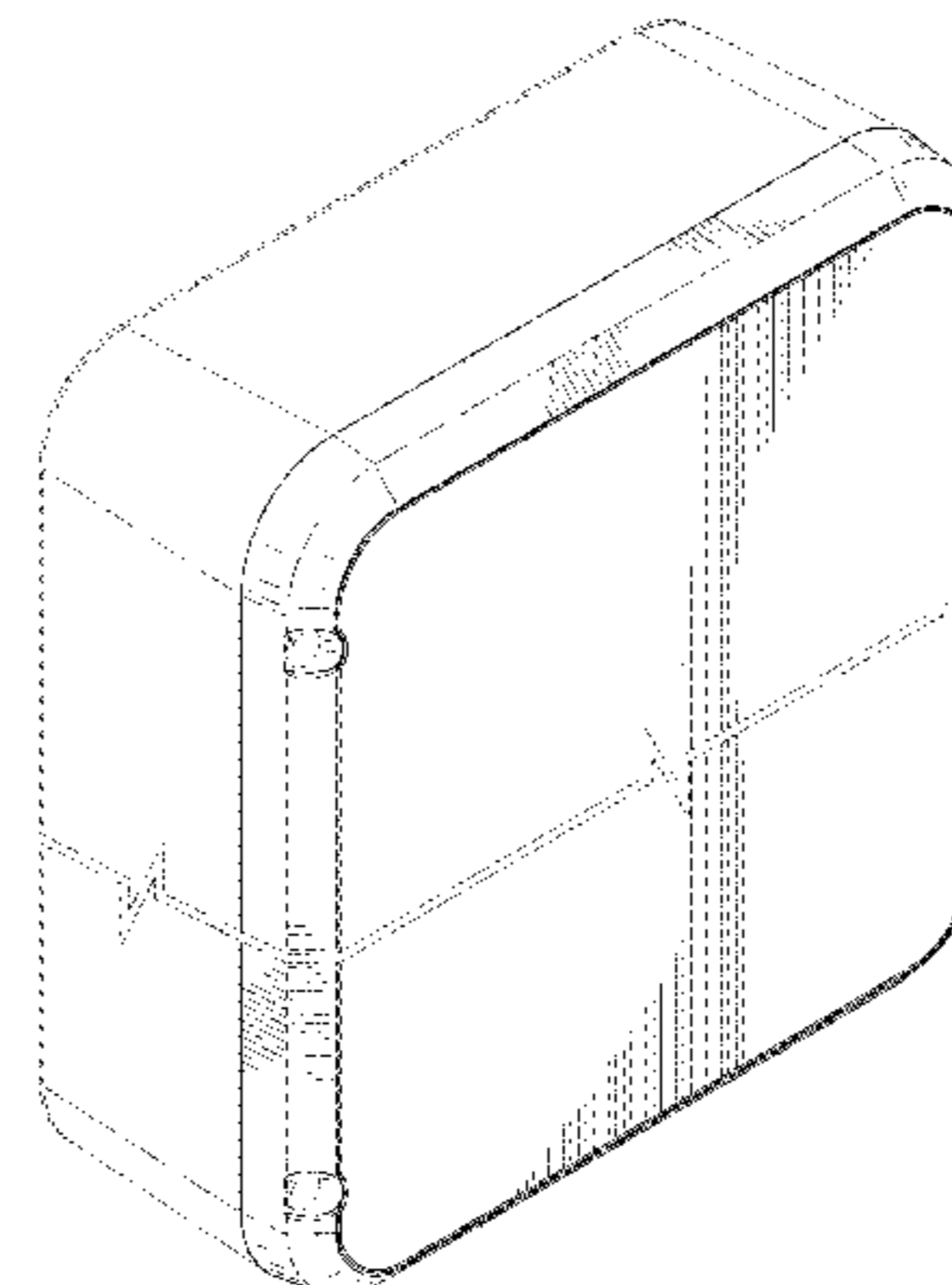
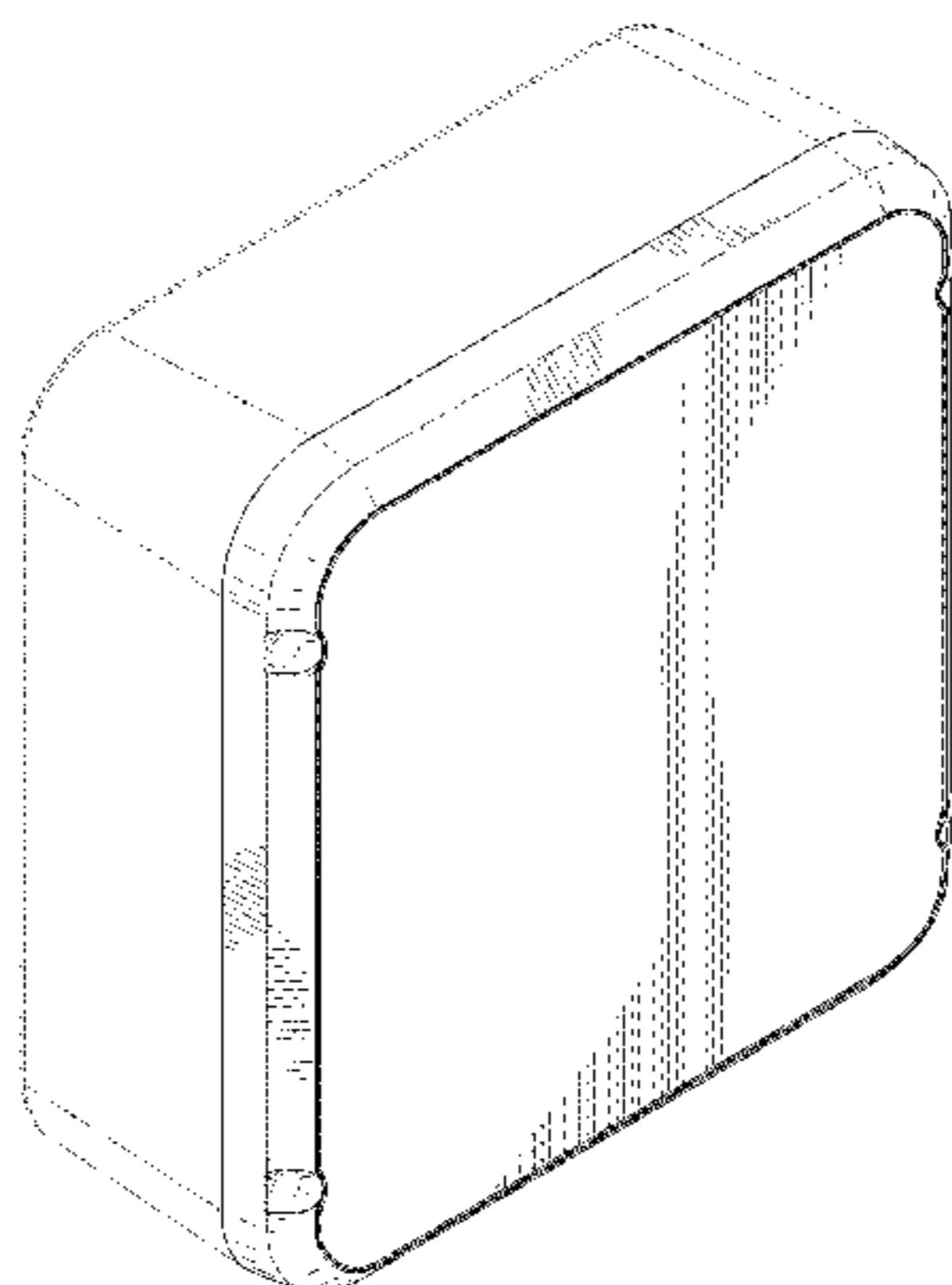
DESCRIPTION

FIG. 1 is a top, front, left perspective view of an embodiment of the claimed design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a top view thereof;
FIG. 7 is a bottom view thereof;
FIG. 8 is a top, front, left perspective view of an embodiment of the claimed design;
FIG. 9 is a front view thereof;
FIG. 10 is a rear view thereof;
FIG. 11 is a right side view thereof;
FIG. 12 is a left side view thereof;
FIG. 13 is a top view thereof;
FIG. 14 is a bottom view thereof;
FIG. 15 is a top, front, left perspective view of an embodiment of the claimed design;
FIG. 16 is a front view thereof;
FIG. 17 is a rear view thereof;
FIG. 18 is a right side view thereof;
FIG. 19 is a left side view thereof;
FIG. 20 is a top view thereof; and
FIG. 21 is a bottom view thereof.

The broken lines in the drawing views show portions of the control device that forms no part of the claimed design. The control device is shown broken away in FIGS. 8-21 views of the drawing to indicate indeterminate length, it being understood that it has a uniform shape and appearance throughout its length.

The control device include, but is not limited to, thermostats, defrost controls, sensors, and other heating, ventilation, air-conditioning, and refrigeration equipment controls.

1 Claim, 15 Drawing Sheets



(58) **Field of Classification Search**

CPC . F23N 5/20; F23N 5/203; F23N 5/206; F23N
 2025/12; F23N 2041/02; F24F 11/00;
 F24F 11/001; F24F 11/0009; F24F
 11/0012; F24F 2011/0057; F24F
 2011/0073; F24F 2011/0091; H05B
 37/02; H05B 37/0245; H01H 9/02; H01H
 9/16; H01H 9/161; H01H 9/165; H01H
 9/181; H01H 9/182; H01H 2009/187;
 G05D 23/1917

See application file for complete search history.

FOREIGN PATENT DOCUMENTS

(56)

References Cited

U.S. PATENT DOCUMENTS

D308,854 S * 6/1990 Fuhrmann D13/184
 D316,375 S * 4/1991 Tiedemann D10/50
 D448,352 S * 9/2001 Atsushi D13/152
 D518,744 S 4/2006 Rosen
 D530,316 S * 10/2006 Hsu D14/240
 D531,025 S * 10/2006 Tanner D9/426
 D548,731 S * 8/2007 Liu D14/240
 D556,061 S 11/2007 Rosen
 D571,351 S * 6/2008 Sogabe D14/168
 D582,802 S 12/2008 Branson et al.
 D592,982 S 5/2009 Burt et al.
 D637,951 S * 5/2011 Perez D13/108
 D641,740 S * 7/2011 Jeon D14/140.6
 D648,298 S * 11/2011 Pierce D14/138 G
 D648,641 S 11/2011 Wallaert et al.
 D648,642 S 11/2011 Wallaert et al.
 D648,689 S * 11/2011 Mehlsen D14/125
 D653,662 S * 2/2012 Park D14/240
 D666,510 S 9/2012 Beland et al.
 D670,277 S * 11/2012 Huang D14/240
 D672,666 S 12/2012 Rhodes et al.
 D676,768 S 2/2013 Eyring et al.
 D676,769 S 2/2013 Eyring et al.
 D678,084 S 3/2013 Beland et al.
 D679,205 S 4/2013 Eyring et al.
 D688,955 S 9/2013 Deligiannis et al.
 D699,130 S 2/2014 Rhodes et al.
 D704,178 S * 5/2014 Kwak D14/240
 D705,094 S 5/2014 Eyring et al.
 D705,201 S * 5/2014 Isaacs D14/240
 D711,359 S * 8/2014 Marzynski D14/240
 D715,165 S 10/2014 Deligiannis et al.
 D715,166 S 10/2014 Rhodes
 D717,673 S 11/2014 Eyring et al.
 D727,180 S 4/2015 Lai et al.
 D727,259 S * 4/2015 Hwang D13/108
 D729,216 S * 5/2015 Peng D14/240
 D730,893 S * 6/2015 Yin D14/240
 D732,512 S * 6/2015 Fariello D14/230
 D733,066 S * 6/2015 Vaughn D13/152
 D733,591 S 7/2015 Golden et al.
 D734,179 S 7/2015 Golden et al.
 D737,155 S 8/2015 Gmyr et al.
 D738,232 S 9/2015 Eyring et al.
 D738,755 S 9/2015 Druce
 D738,756 S 9/2015 Jiang et al.
 D738,835 S * 9/2015 Bush D13/184
 D740,262 S * 10/2015 Hasegawa D14/240
 D744,433 S 12/2015 Baumgartner et al.
 D751,426 S 3/2016 Edgar
 D758,217 S * 6/2016 Kumfer D10/50
 D759,012 S * 6/2016 Golden D10/50
 D763,707 S 8/2016 Sinha et al.
 D765,073 S * 8/2016 Niizawa D14/356
 D768,607 S * 10/2016 Altonen D14/240
 D772,735 S 11/2016 Mansueto et al.
 D797,099 S * 9/2017 Wieser D14/300
 D802,450 S * 11/2017 Boynton D10/50
 D803,705 S * 11/2017 Read D10/50
 D828,816 S * 9/2018 Spors D13/162

CN 300763793 4/2008
 CN 301076701 12/2009
 CN 301262175 6/2010
 CN 301318189 8/2010
 CN 301318218 8/2010
 CN 301318220 8/2010
 CN 301367662 10/2010
 CN 301379502 11/2010
 CN 301425146 12/2010
 CN 301437651 1/2011
 CN 301596683 6/2011
 CN 301640279 8/2011
 CN 301671557 9/2011
 CN 301900552 5/2012
 CN 301936315 5/2012
 CN 301936316 5/2012
 CN 301966054 6/2012
 CN 301966088 6/2012
 CN 302009181 7/2012
 CN 302042060 8/2012
 CN 302042135 8/2012
 CN 302062604 9/2012
 CN 302244026 12/2012
 CN 302269957 1/2013
 CN 302313577 2/2013
 CN 302360122 3/2013
 CN 302503612 7/2013
 CN 302517156 7/2013
 CN 302908442 8/2014
 CN 302908443 8/2014
 CN 303030615 12/2014
 CN 301936456 5/2015
 CN 303238413 6/2015
 CN 303246894 6/2015
 CN 303255433 6/2015
 CN 303255434 6/2015
 CN 303337349 8/2015
 CN 303375958 9/2015
 CN 303385632 9/2015
 CN 303394163 9/2015
 CN 303451296 11/2015
 CN 303603907 3/2016
 CN 303653904 4/2016
 CN 303709538 6/2016
 CN 303717816 6/2016
 CN 303717817 6/2016
 CN 303717819 6/2016
 CN 303717823 6/2016
 CN 303726743 6/2016
 CN 303726744 6/2016
 CN 303737244 7/2016
 CN 303737245 7/2016
 CN 303789869 8/2016
 CN 303814825 8/2016
 EM 941031-001 2/1994
 EM 946447-001 11/1994
 EM 946448-001 11/1994
 EM 000907720-0001 4/2008
 EM 001944638-0001 11/2011
 EM 002016436-0001 3/2012
 EM 001345771-0031 9/2012
 EM 002103713-0001 9/2012
 EM 002165068-0001 1/2013
 EM 002221440-0004 4/2013
 EM 002297606-0001 8/2013
 EM 002299909-0002 8/2013
 EM 002379198-0001 12/2013
 EM 002418830-0040 3/2014
 EM 002433060-0005 3/2014
 EM 002476010-0001 6/2014
 EM 002526251-0003 8/2014
 EM 002609768-0001 1/2015
 EM 002763698-0016 9/2015
 EM 002767970-0003 9/2015
 EM 002842880-0004 10/2015
 EM 003074640-0003 4/2016
 EM 003339936-0001 8/2016

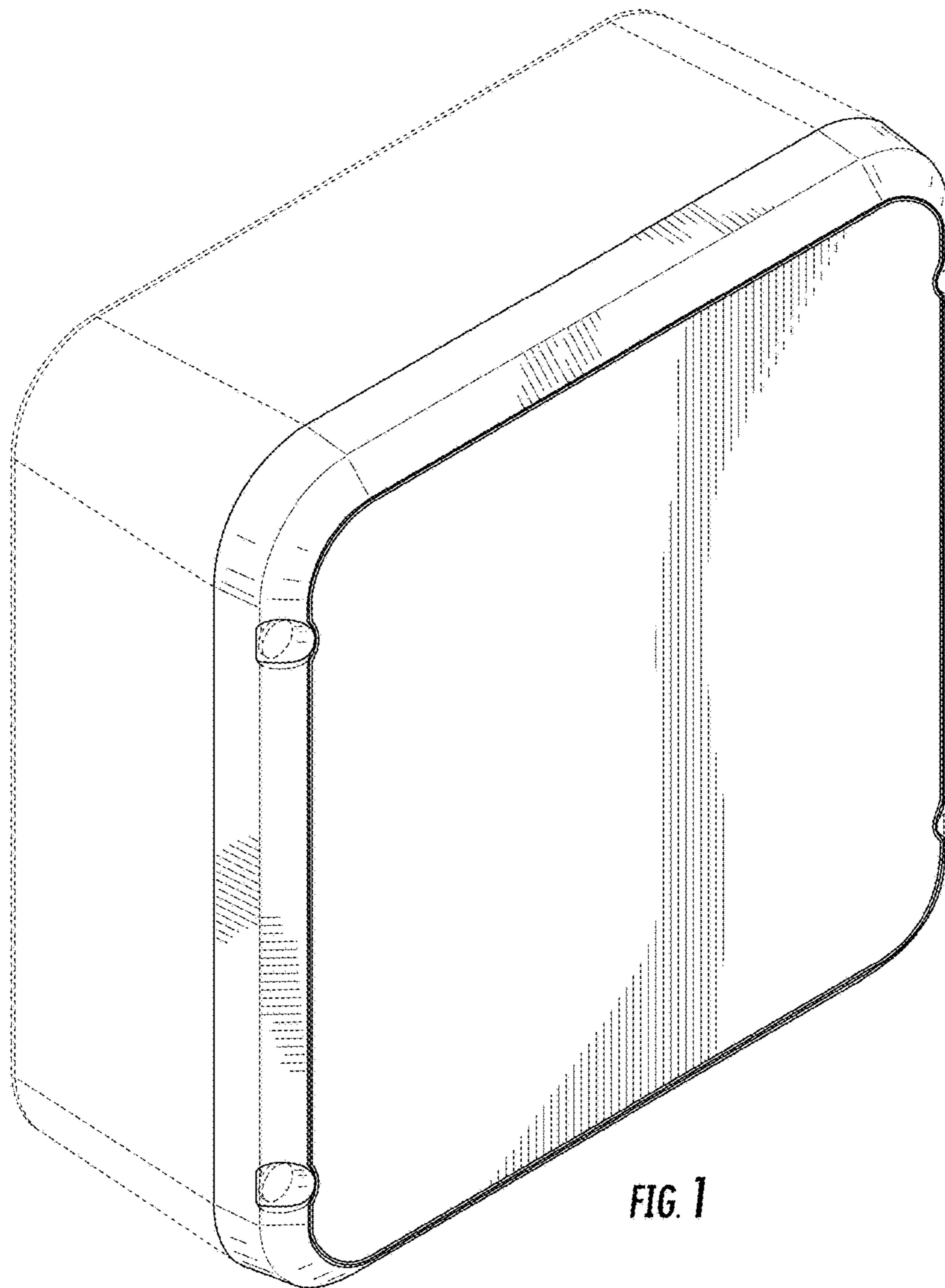
(56)

References Cited

FOREIGN PATENT DOCUMENTS

IN	239736-0001	9/2011
JP	D1527751	5/2015
KR	300513953.0000	12/2008
KR	300559936.0000	4/2010
KR	300559937.0000	4/2010
KR	300563103.0000	5/2010
KR	300563104.0000	5/2010
KR	300597072.0000	4/2011
KR	300597075.0000	4/2011
KR	300597078.0000	4/2011
KR	300597085.0000	4/2011
KR	300597095.0000	4/2011
KR	300597103.0000	4/2011
KR	300597104.0000	4/2011
KR	300597105.0000	4/2011
KR	300597106.0000	4/2011
KR	300597109.0000	4/2011
KR	300743169.0000	5/2014
KR	300788997.0000	3/2015
KR	300803551.0000	6/2015
KR	300810461.0000	8/2015
WO	WO-D075763-002	3/2011
WO	WO-D088823-003	11/2015

* cited by examiner



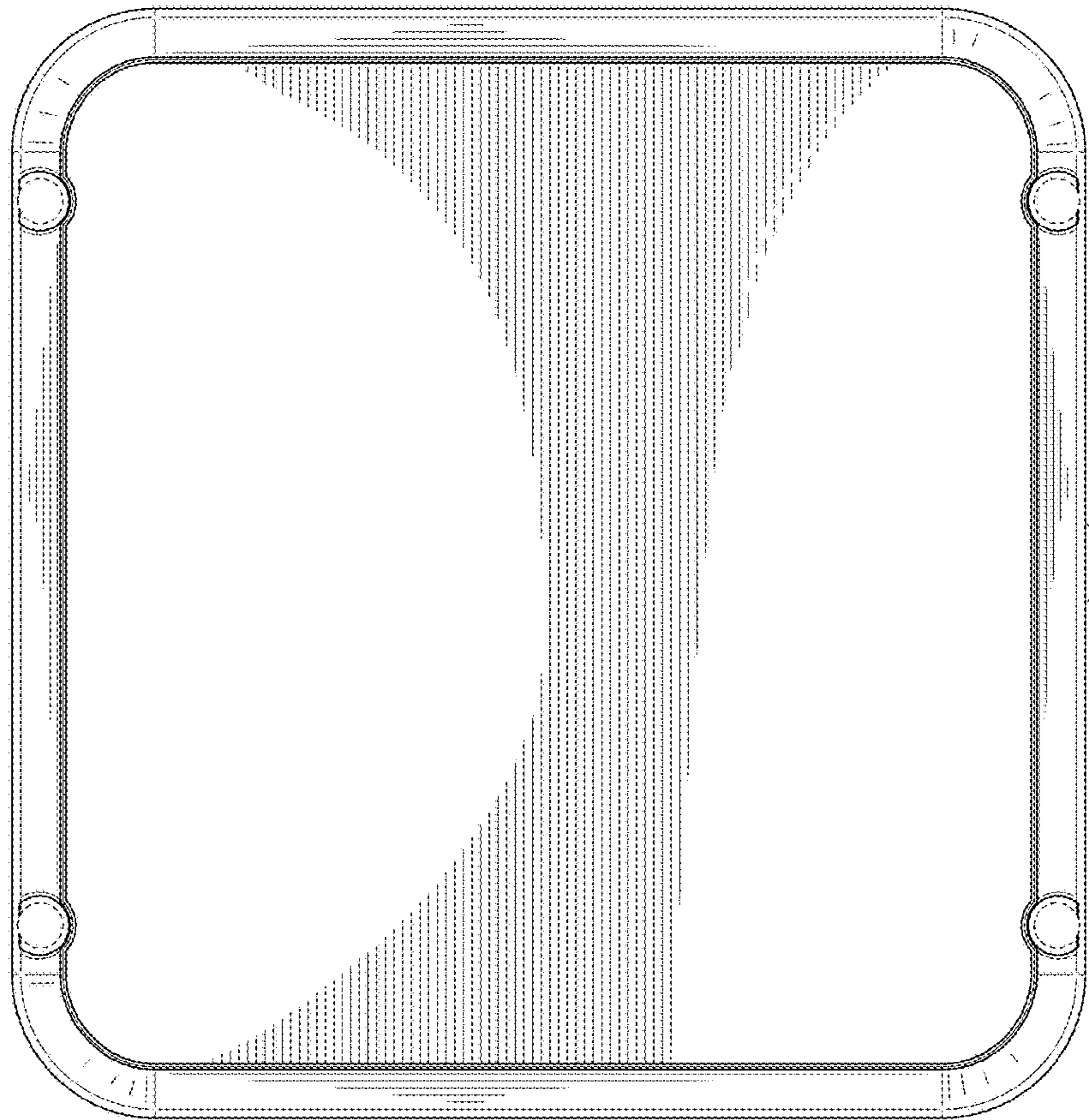


FIG. 2

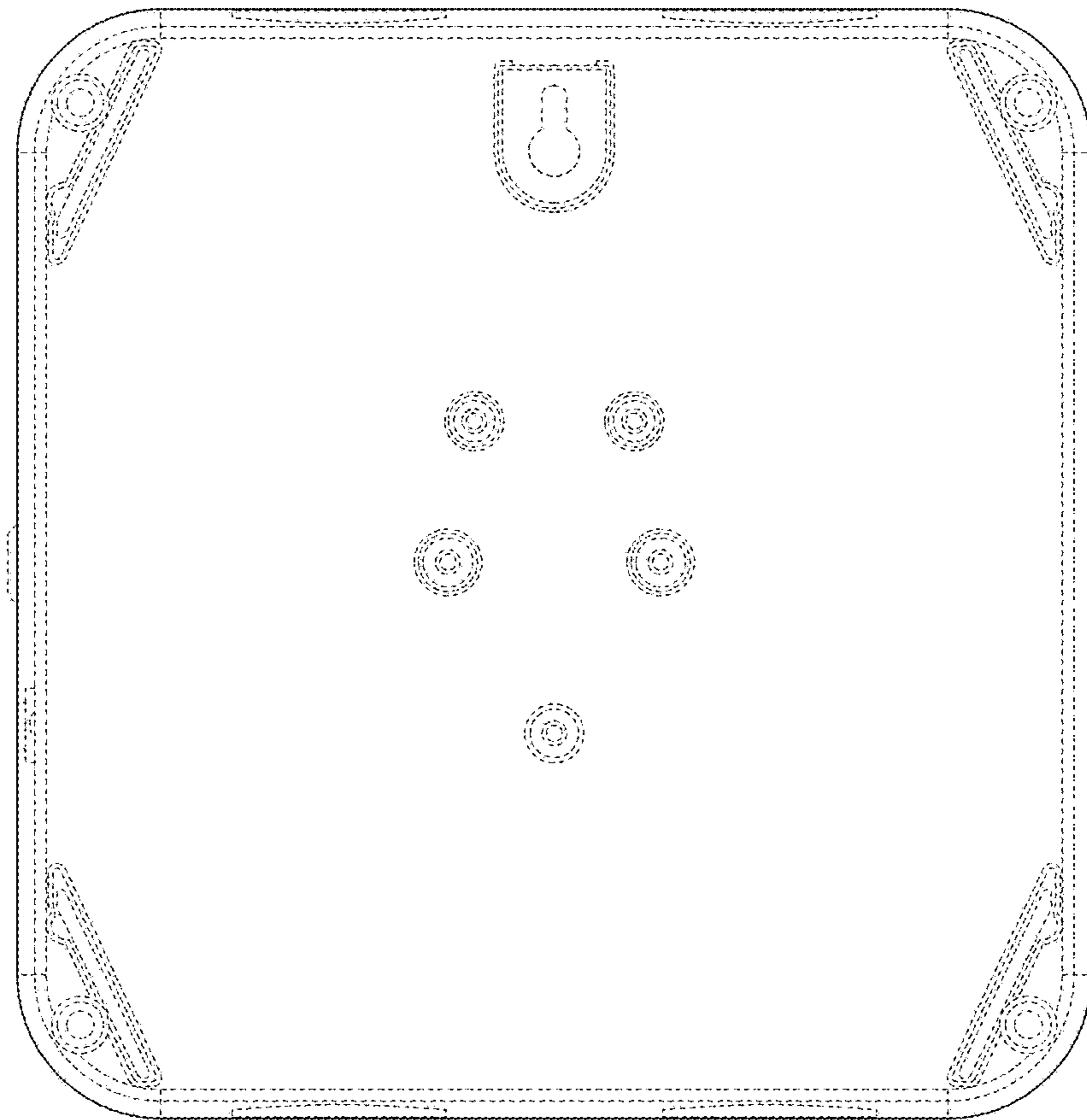


FIG. 3

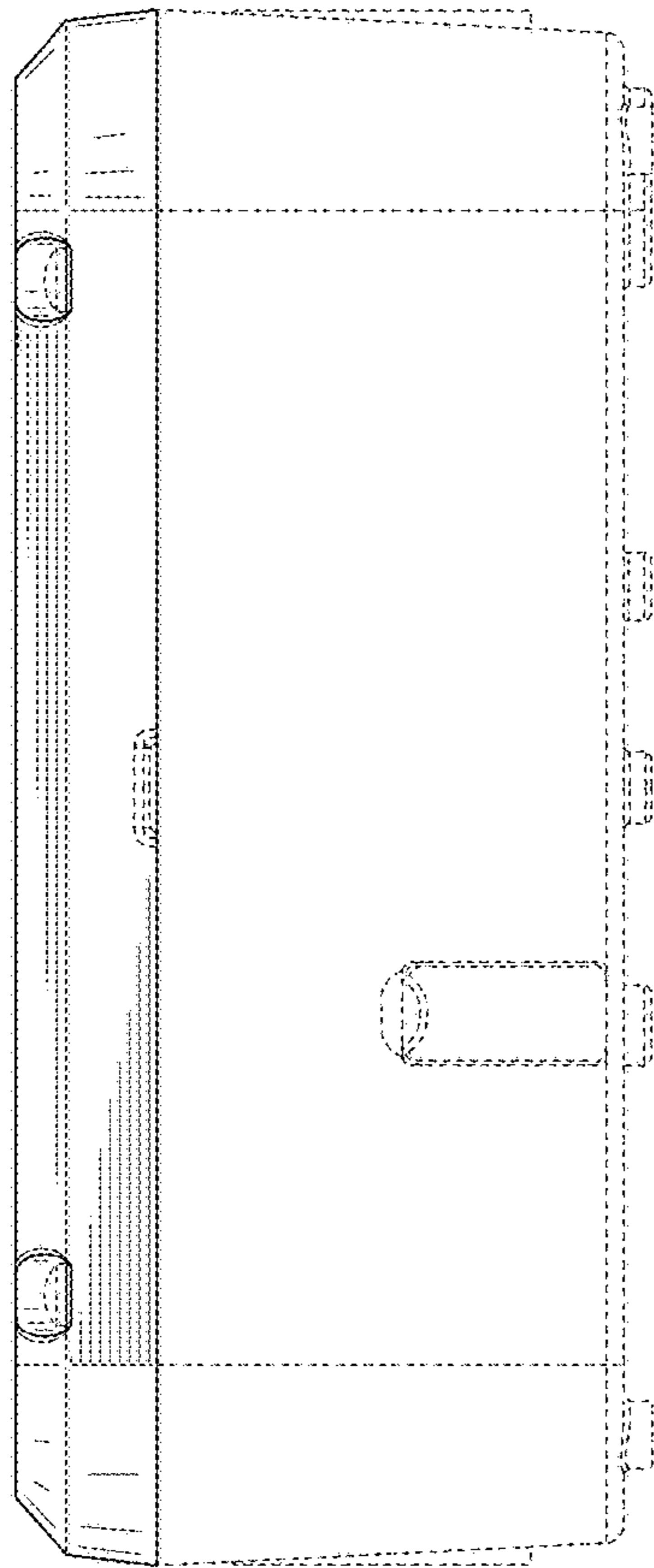


FIG. 4

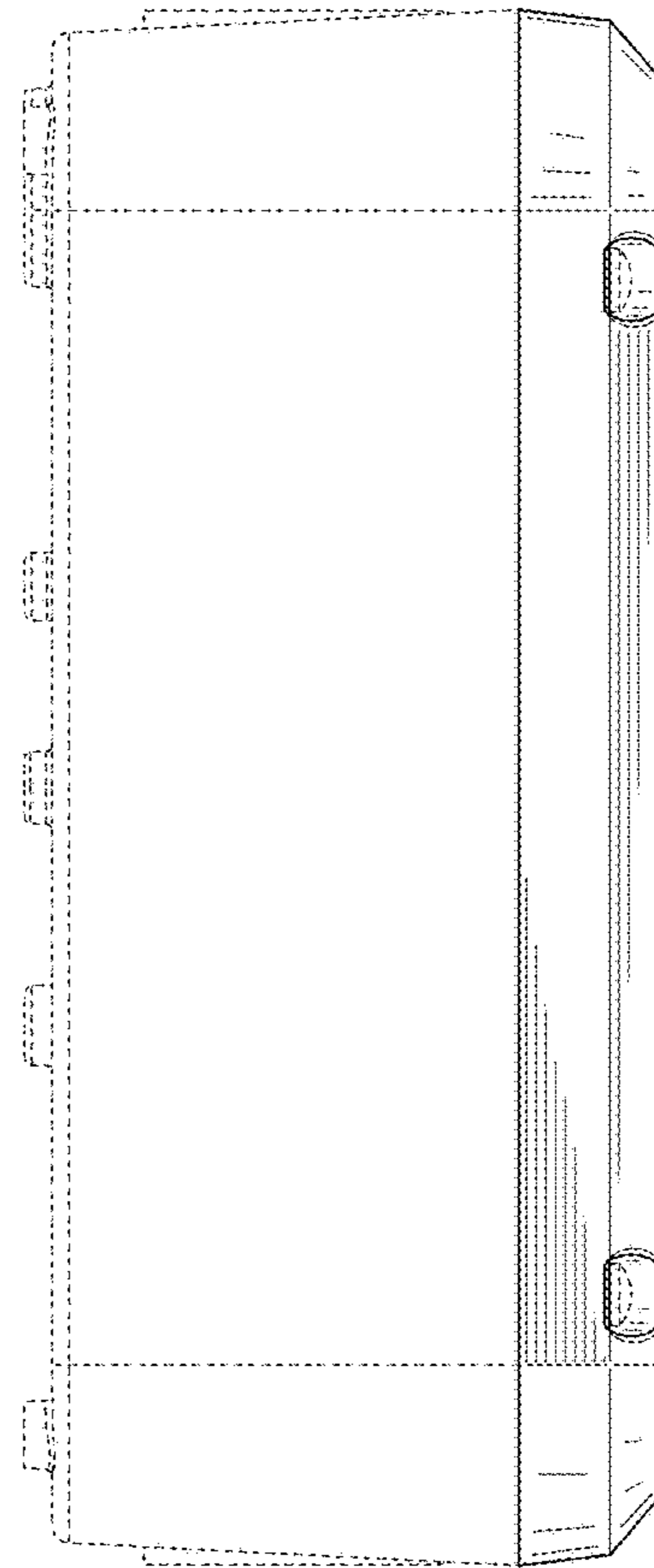


FIG. 5

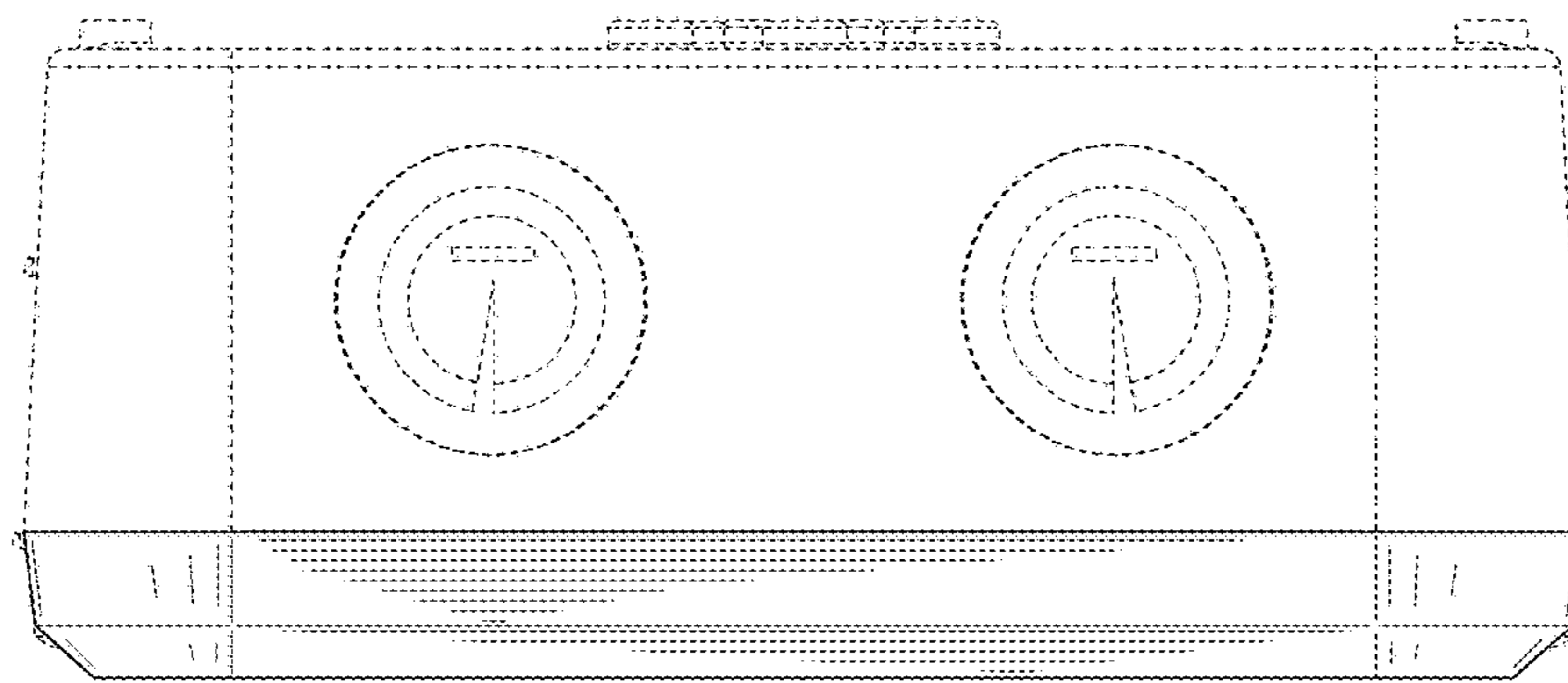


FIG. 6

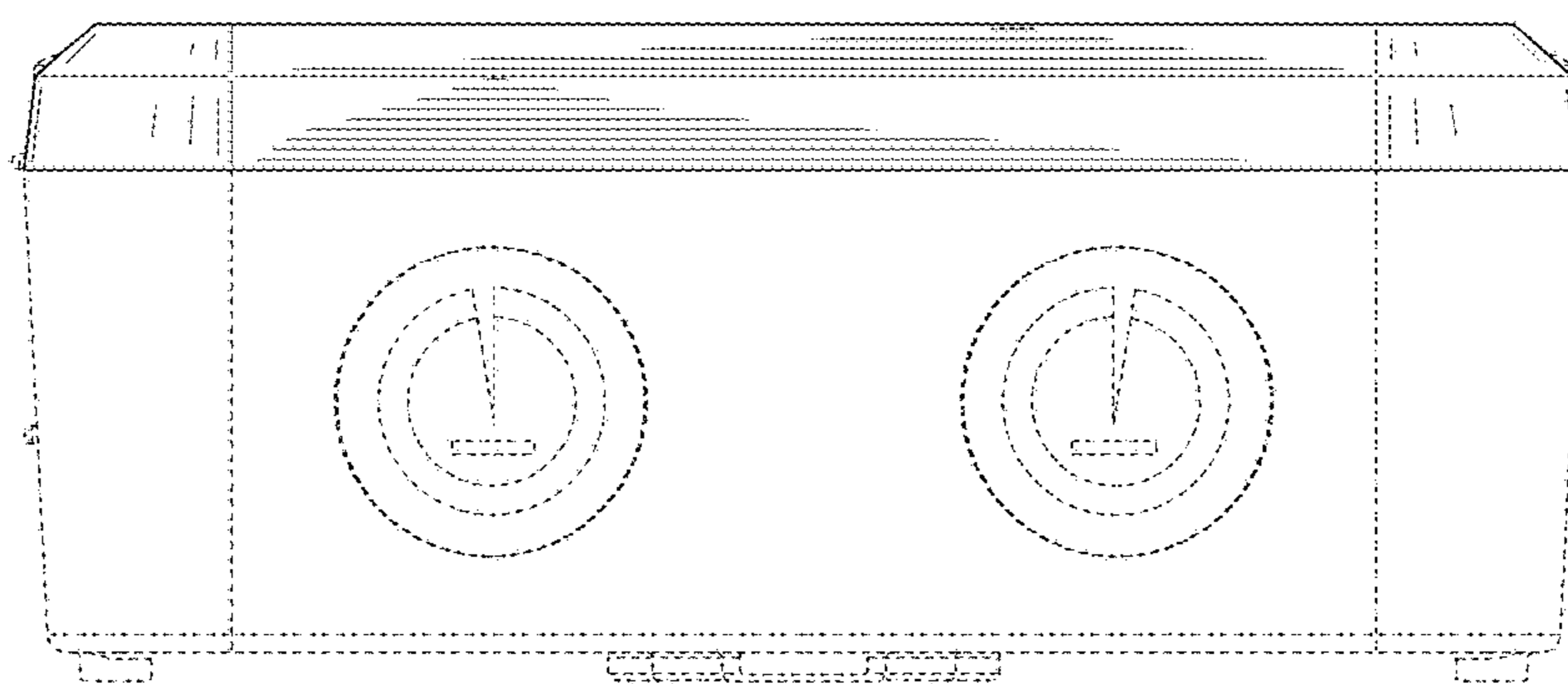


FIG. 7

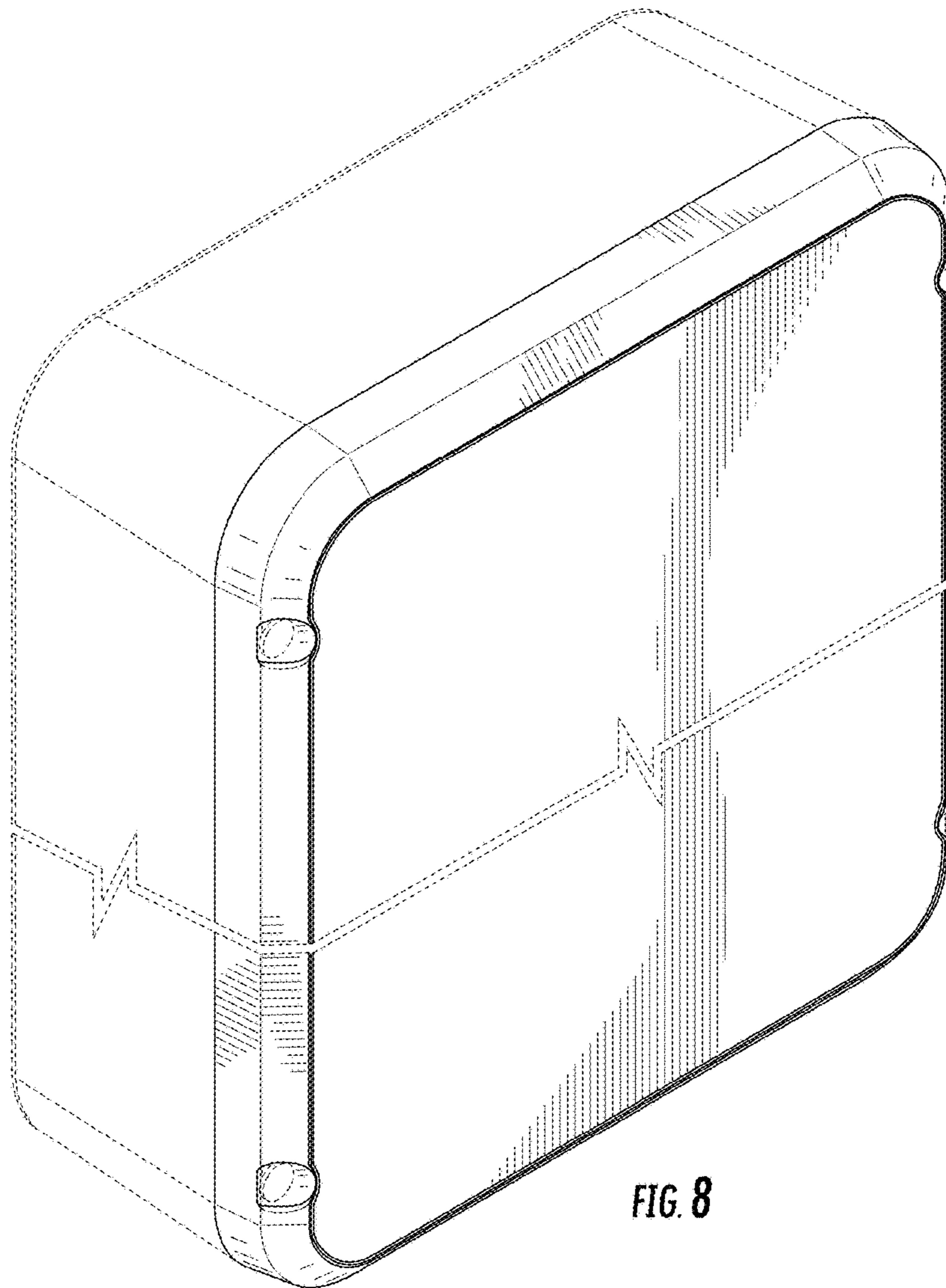


FIG. 8

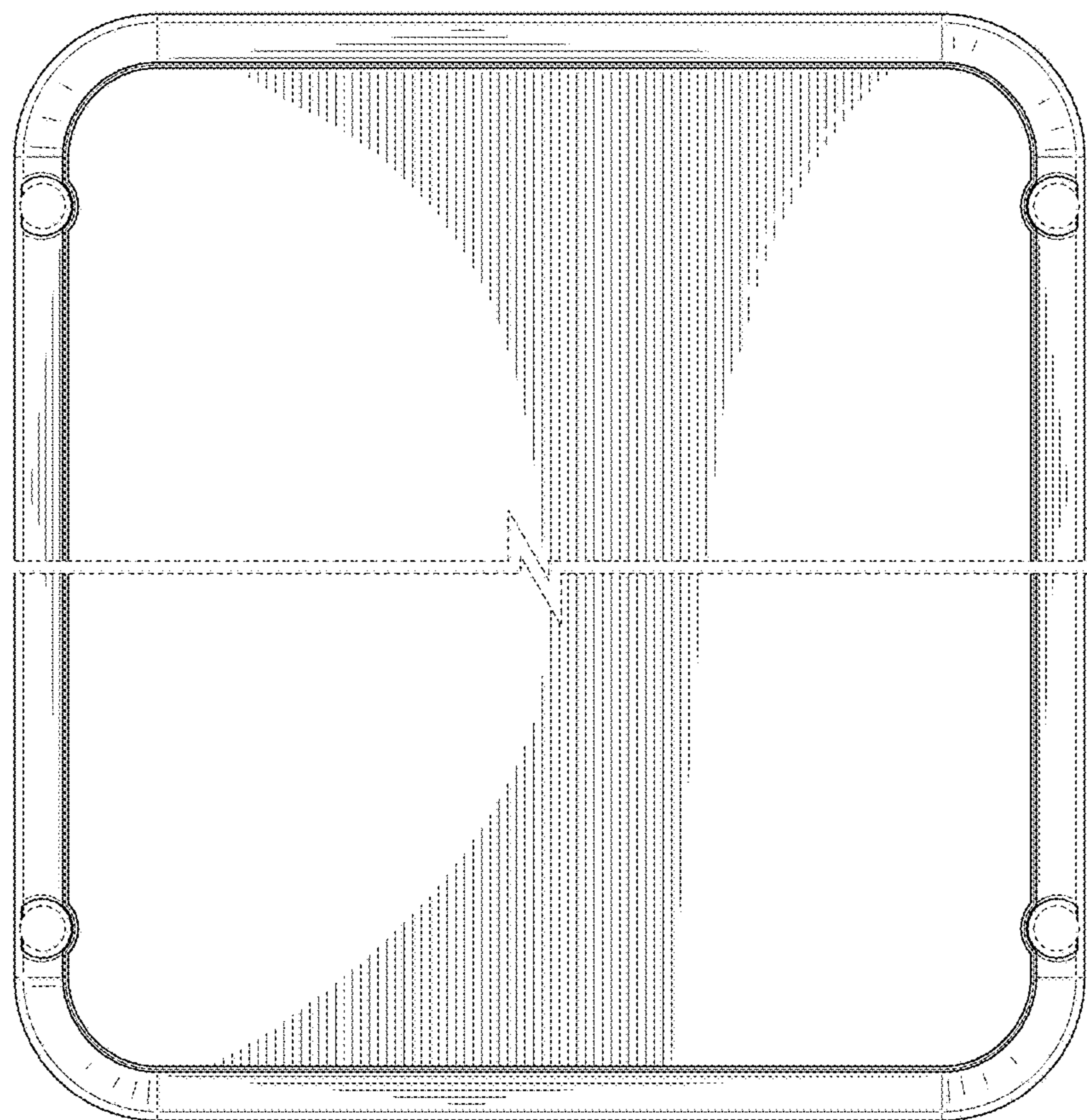


FIG. 9

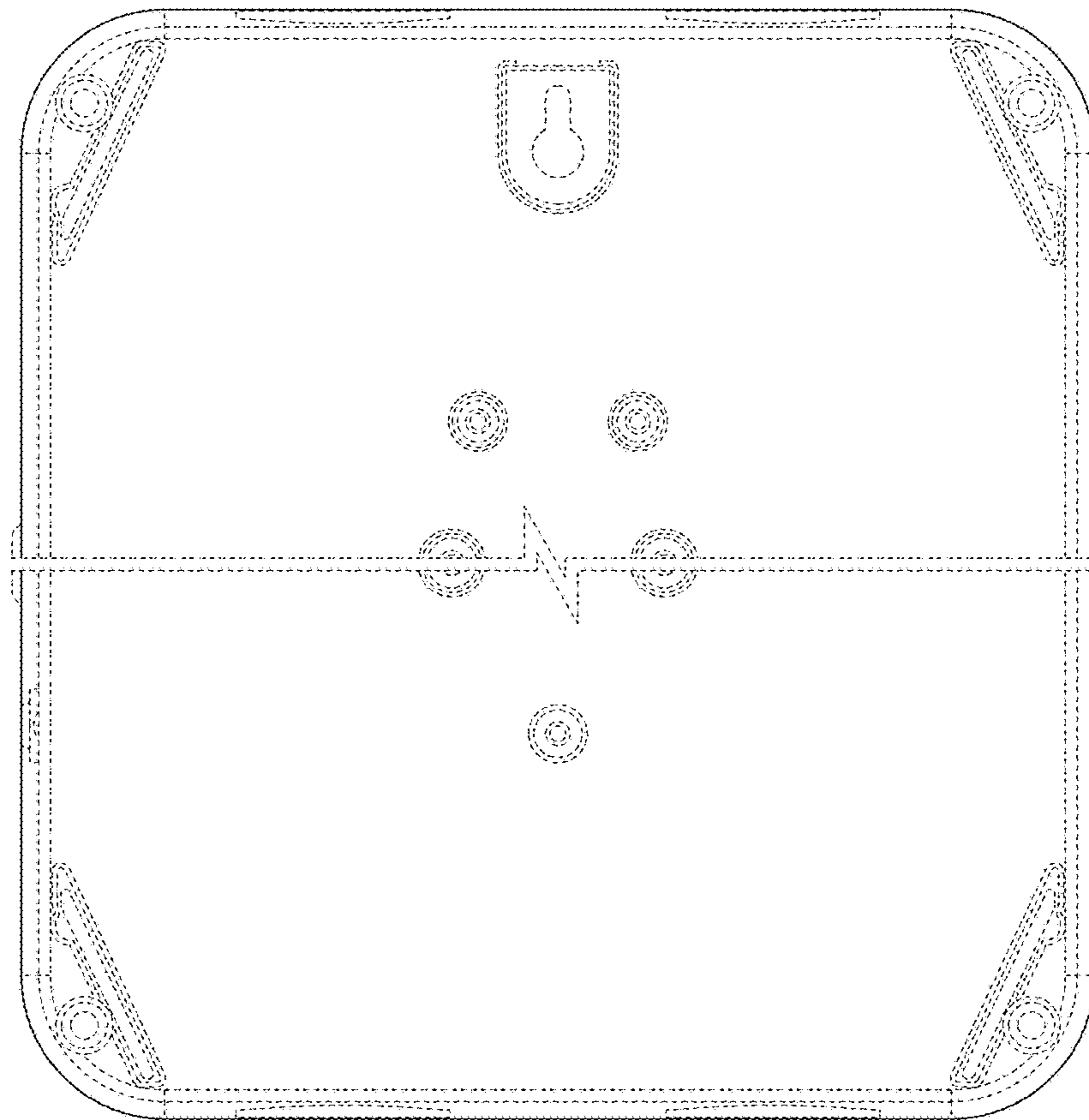


FIG. 10

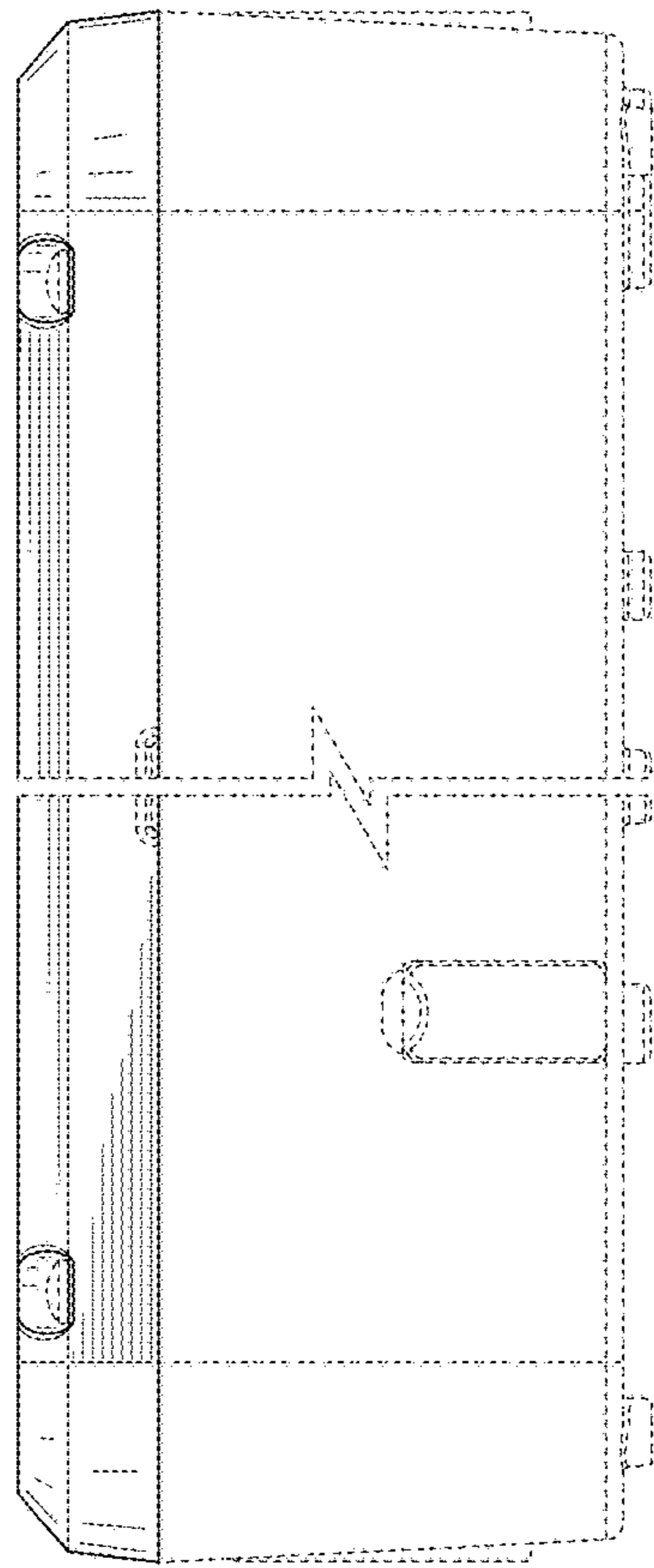


FIG. 11

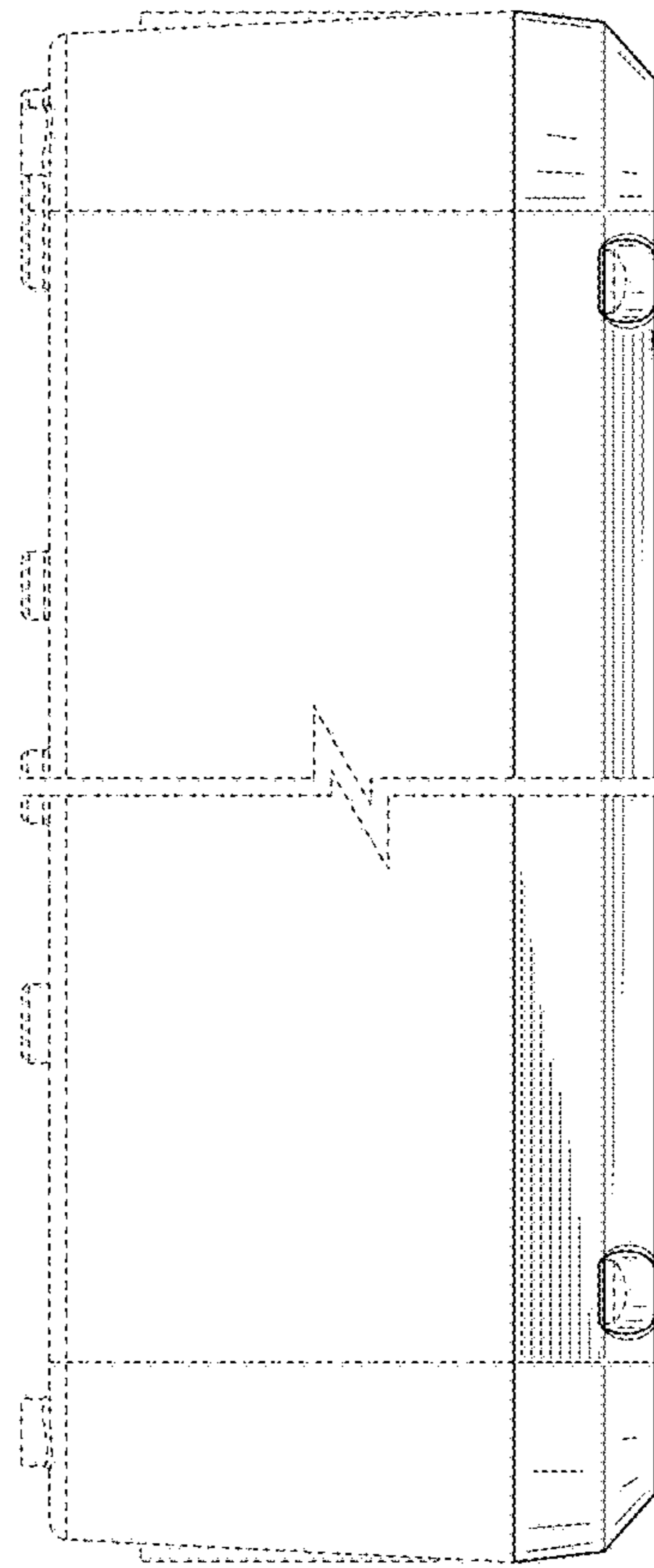


FIG. 12

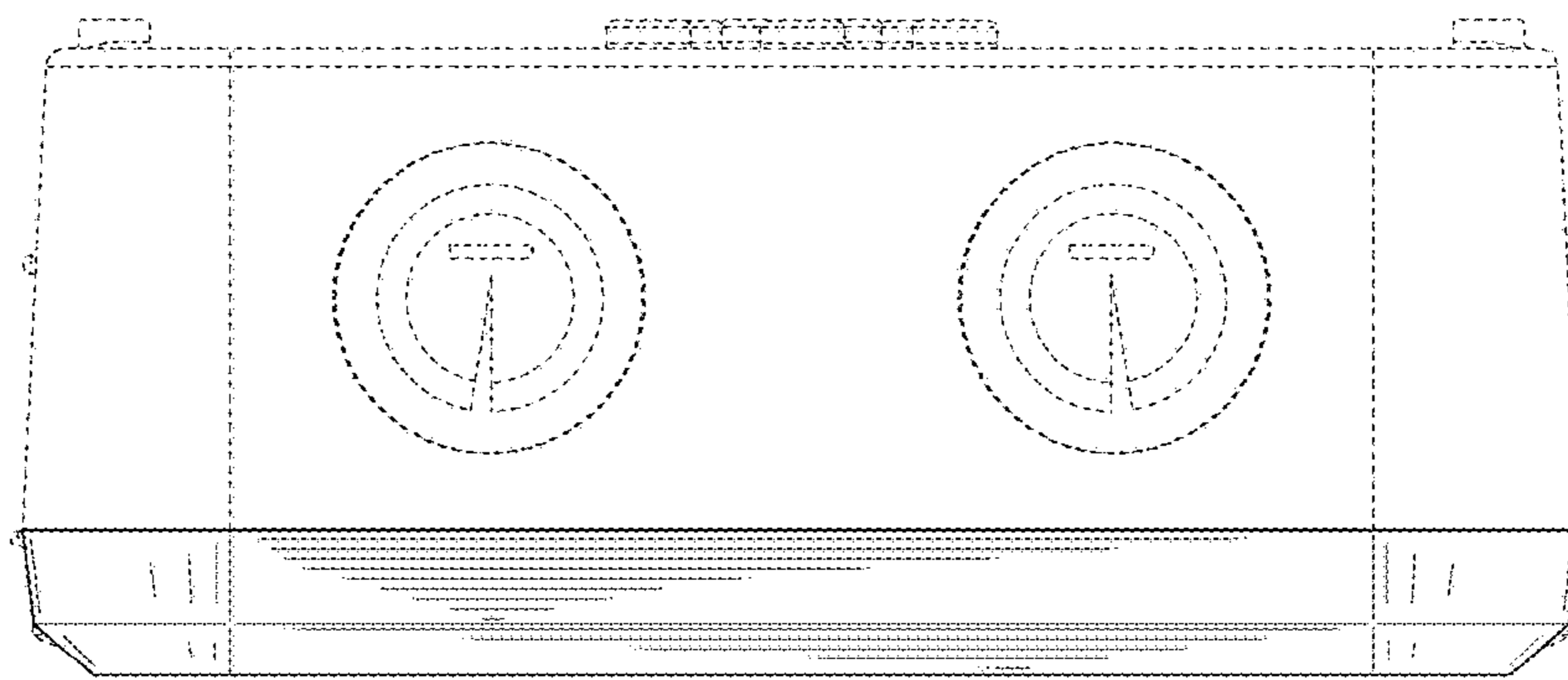


FIG. 13

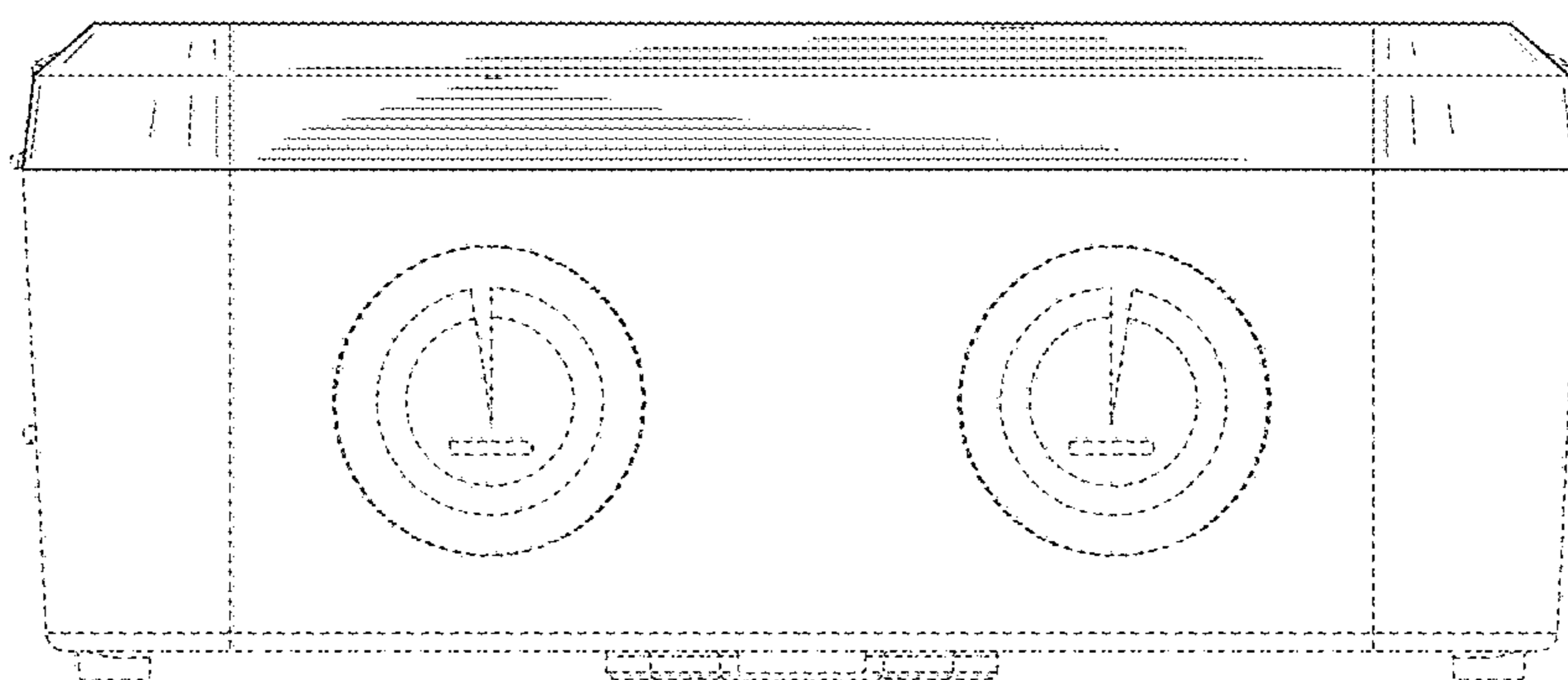
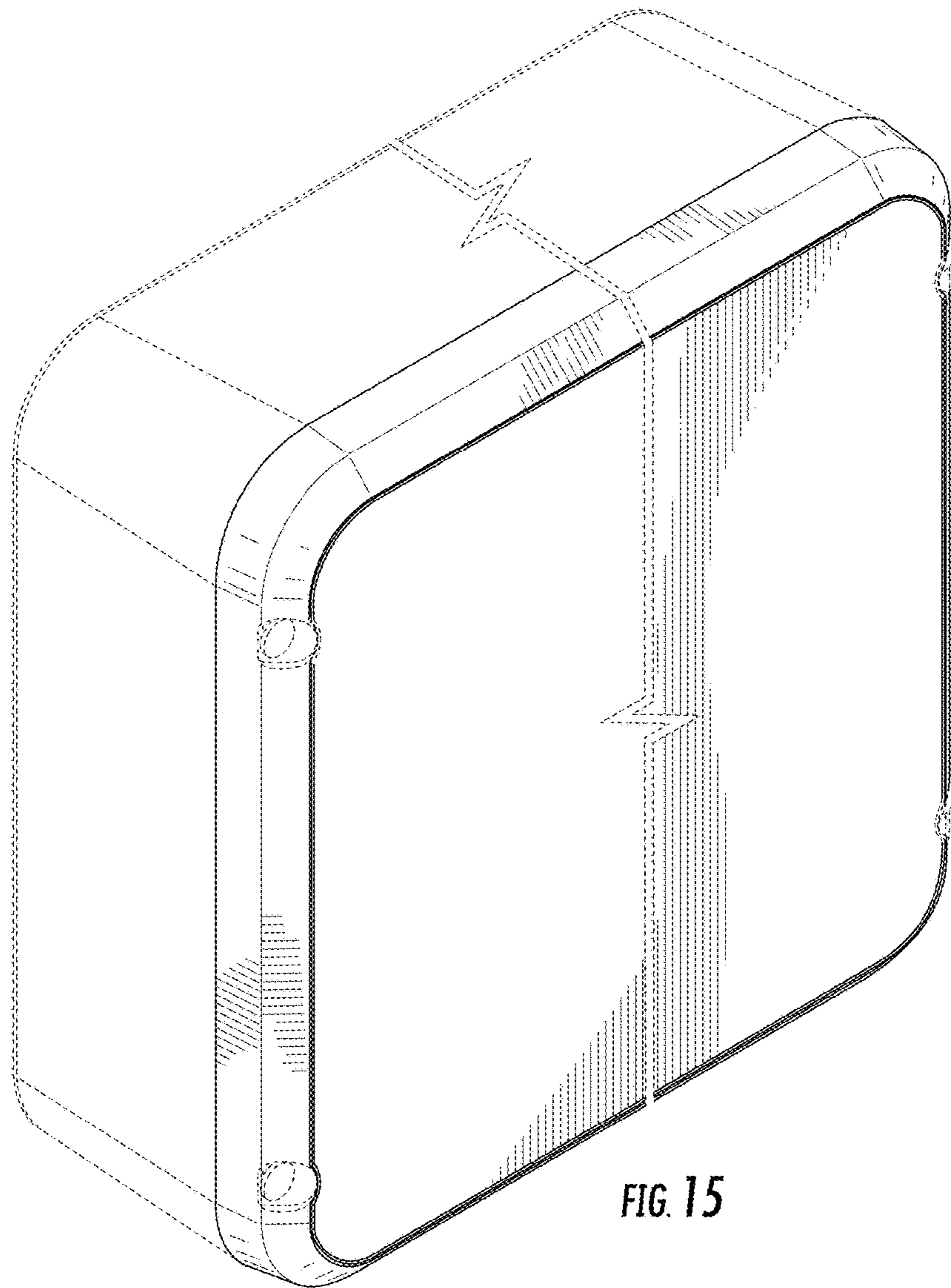


FIG. 14



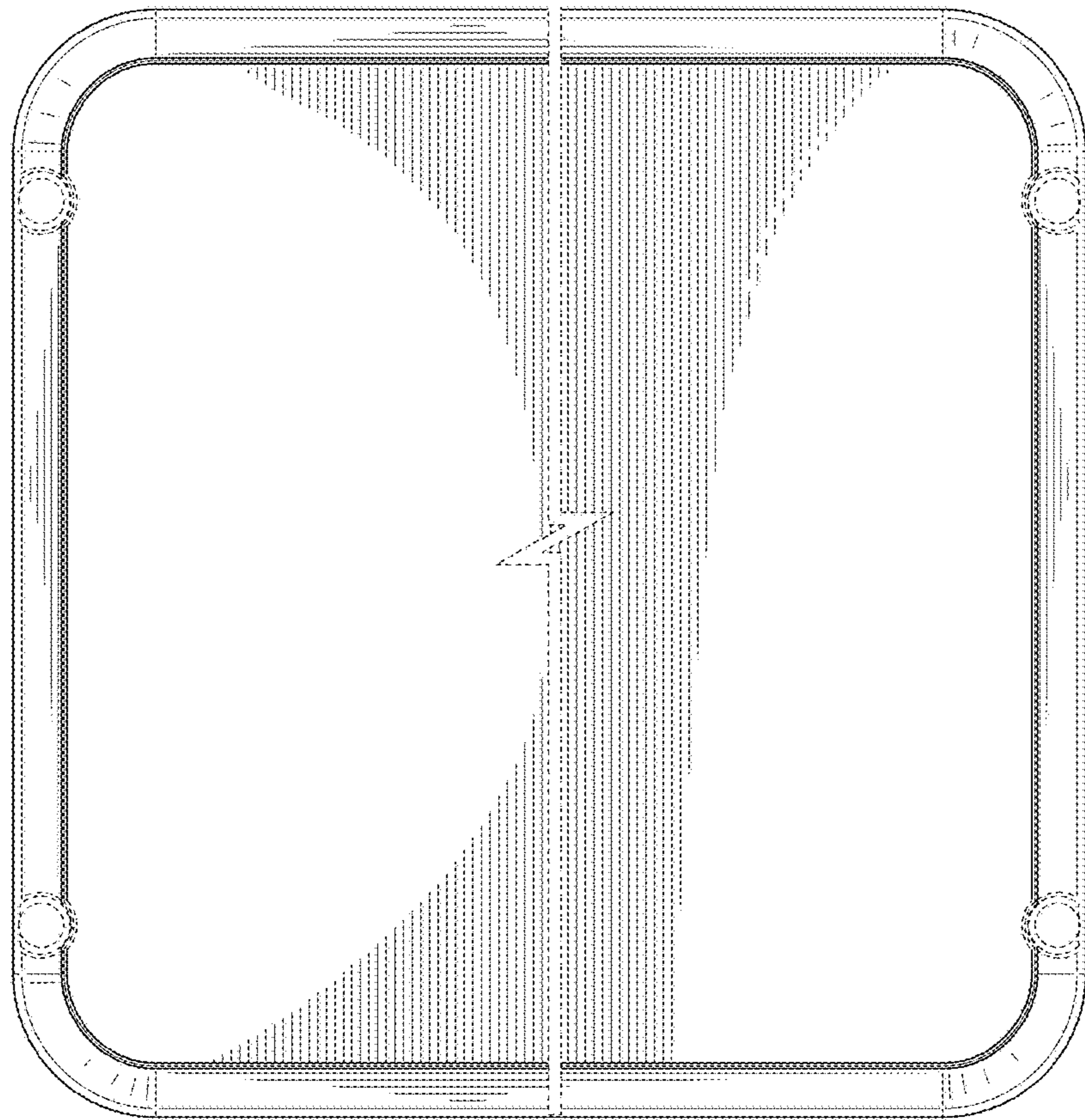


FIG. 16

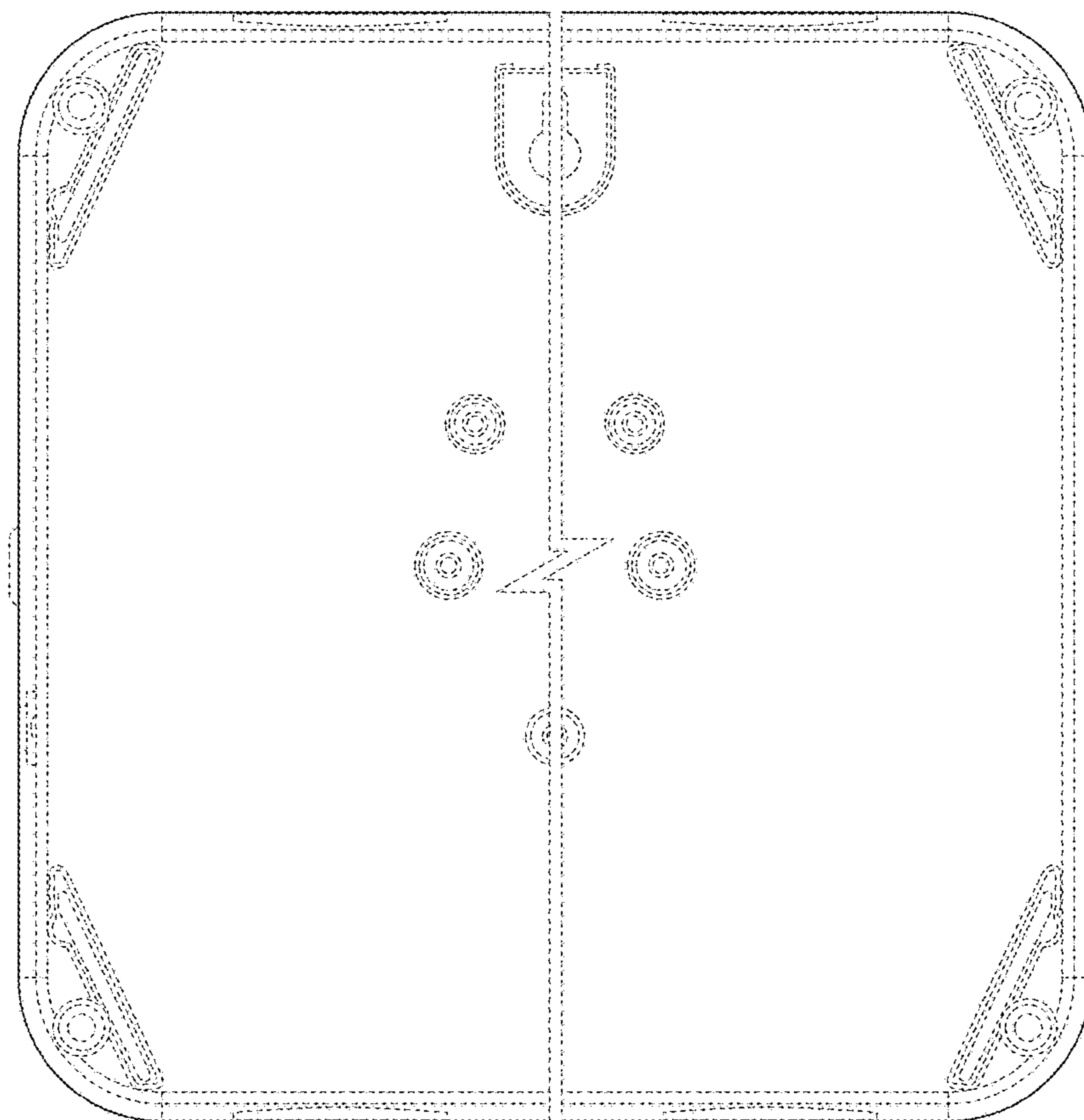


FIG. 17

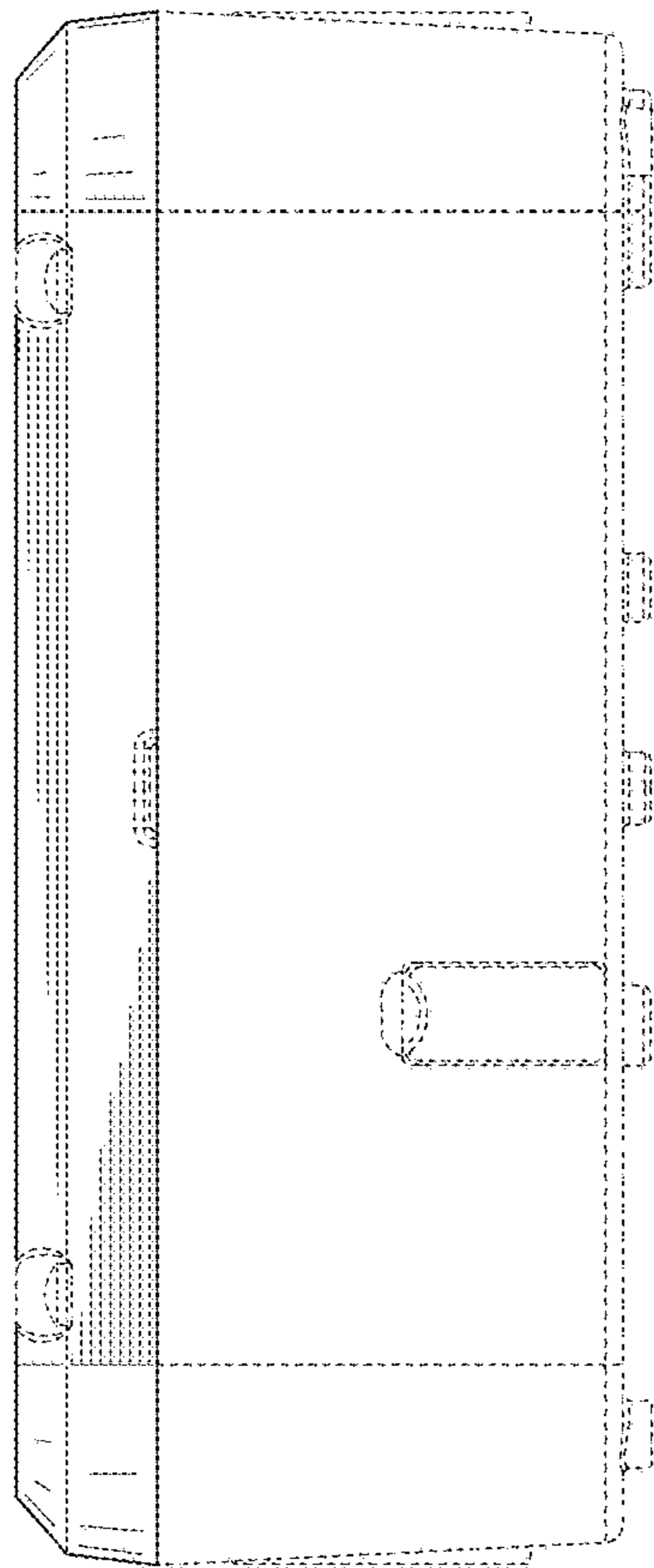


FIG. 18

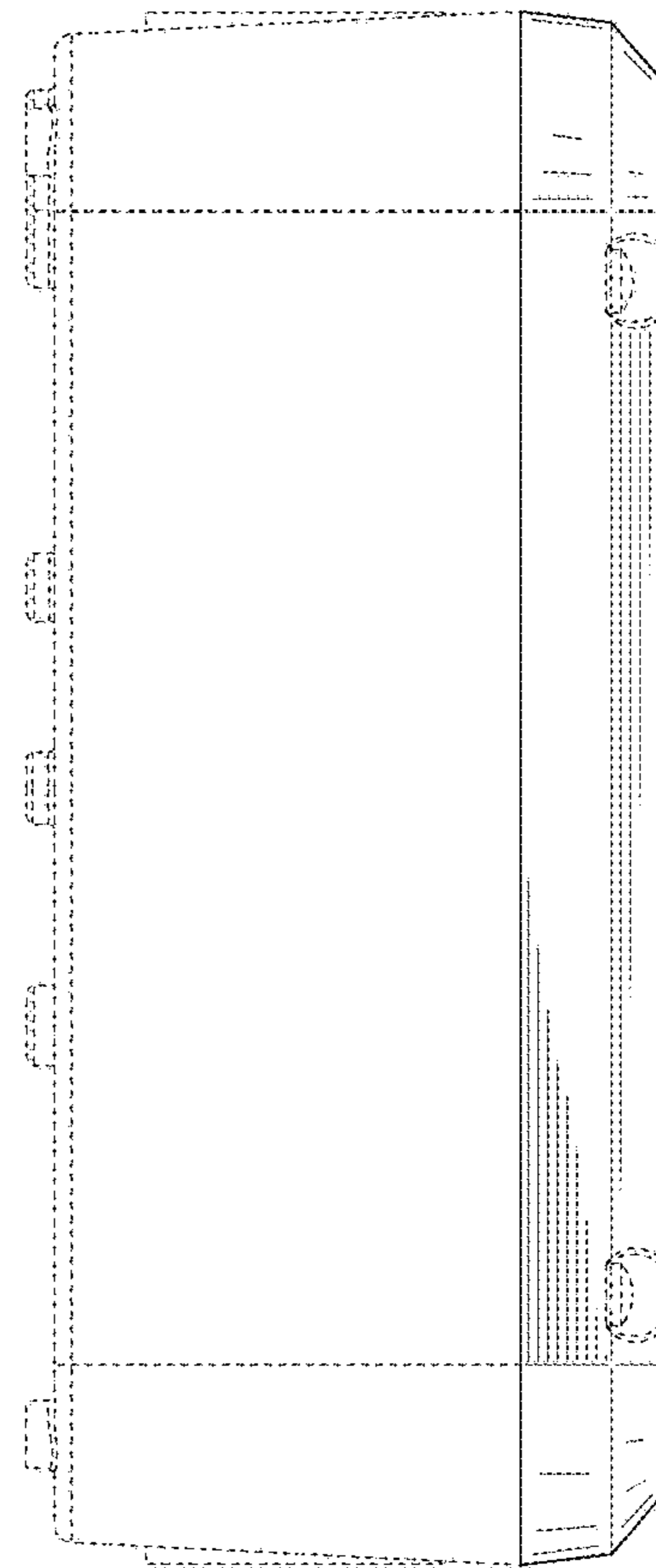


FIG. 19

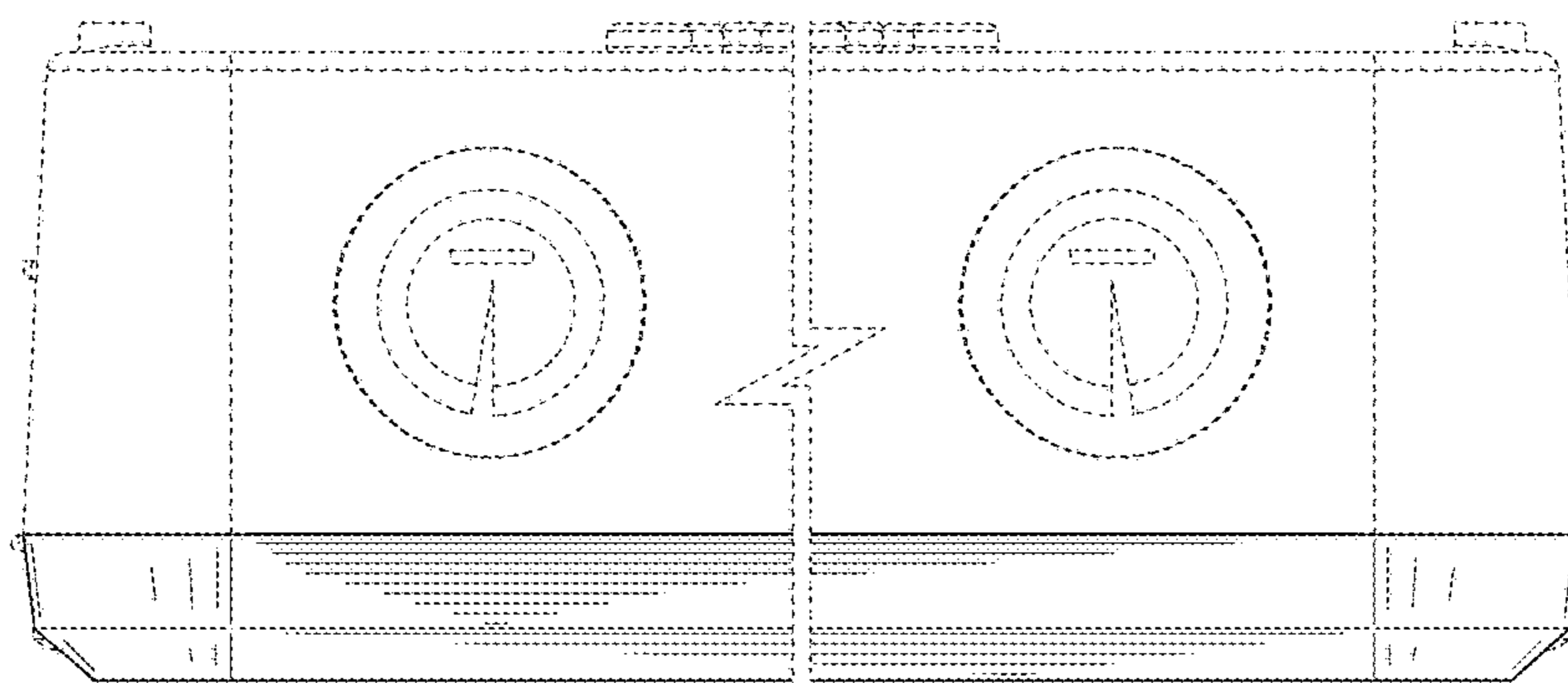


FIG. 20

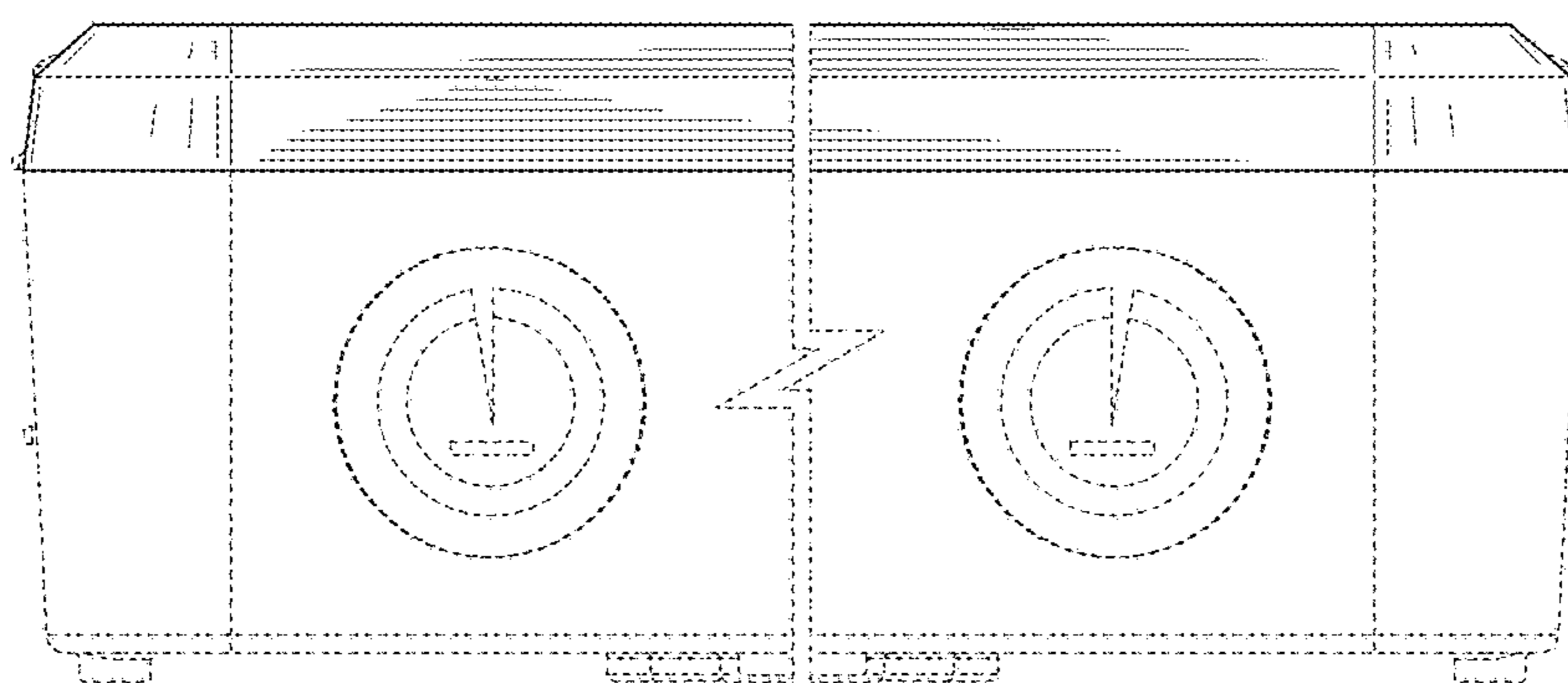


FIG. 21