



US00D769427S

(12) **United States Design Patent** (10) **Patent No.:** **US D769,427 S**
Buettner et al. (45) **Date of Patent:** **** Oct. 18, 2016**

(54) **HEATING DEVICE**

(71) Applicant: **Robert Bosch GmbH**, Stuttgart (DE)

(72) Inventors: **Christian Buettner**, Stuttgart (DE);
Markus Mottscheller, Nürnberg (DE)

(73) Assignee: **Robert Bosch GmbH**, Stuttgart (DE)

(**) Term: **14 Years**

(21) Appl. No.: **29/514,716**

(22) Filed: **Jan. 15, 2015**

(30) **Foreign Application Priority Data**

Jul. 15, 2014 (EM) 002502922

(51) **LOC (10) Cl.** **23-03**

(52) **U.S. Cl.**
USPC **D23/318**

(58) **Field of Classification Search**

USPC D23/314, 315, 316, 317, 318, 319, 320,
D23/321, 322, 323, 324, 328, 329, 330, 331,
D23/332, 334, 335, 336, 337, 338, 339, 340,
D23/341, 342, 343, 344, 345, 346, 347, 348,
D23/349, 350, 355, 351, 352, 356, 357, 358,
D23/361, 364, 325, 333, 359, 386, 387, 388,
D23/389, 390, 391; D14/214, 225, 235,
D14/237, 240, 241, 255, 356, 362; D13/184
CPC F24C 7/10; F24H 9/2071; F24H 9/2064;
F24H 1/06; F24H 3/0417; F24H 3/0411;
F24H 9/2028; F24H 9/02; F24H 9/128;
F24H 9/2021; F24H 9/2007; F24H 9/2005;
F24H 1/08; F24H 7/00; F24H 4/00; F24H
2/142; F04D 25/10; F04D 25/08; F04D
17/04; H05B 3/78

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D249,684 S * 9/1978 Rams D14/214
D358,153 S * 5/1995 Jackson D13/162

(Continued)

Primary Examiner — T. Chase Nelson

Assistant Examiner — Ania Aman

(74) *Attorney, Agent, or Firm* — Maginot, Moore & Beck
LLP

(57) **CLAIM**

The ornamental design for a heating device, as shown and
described.

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of a
heating device showing our new design;

FIG. 2 is a front elevational view showing the design for the
heating device of FIG. 1;

FIG. 3 is a rear elevational view showing the design for the
heating device of FIGS. 1, 8, 10, 12, and 14;

FIG. 4 is a left side elevational view showing the design for
the heating device of FIGS. 1, 8, 10, 12, and 14;

FIG. 5 is a right side elevational view showing the design for
the heating device of FIGS. 1, 8, 10, 12, and 14;

FIG. 6 is a top plan view showing the design for the heating
device of FIGS. 1, 8, 10, 12, and 14; and

FIG. 7 is a bottom plan view showing the design for the
heating device of FIGS. 1, 8, 10, 12, and 14.

FIG. 8 is a perspective view of a second embodiment of a
heating device showing our new design; and

FIG. 9 is a front elevational view showing the design for the
heating device of FIG. 8.

FIG. 10 is a perspective view of a third embodiment of a
heating device showing our new design; and

FIG. 11 is a front elevational view showing the design for the
heating device of FIG. 10.

FIG. 12 is a perspective view of a fourth embodiment of a
heating device showing our new design; and

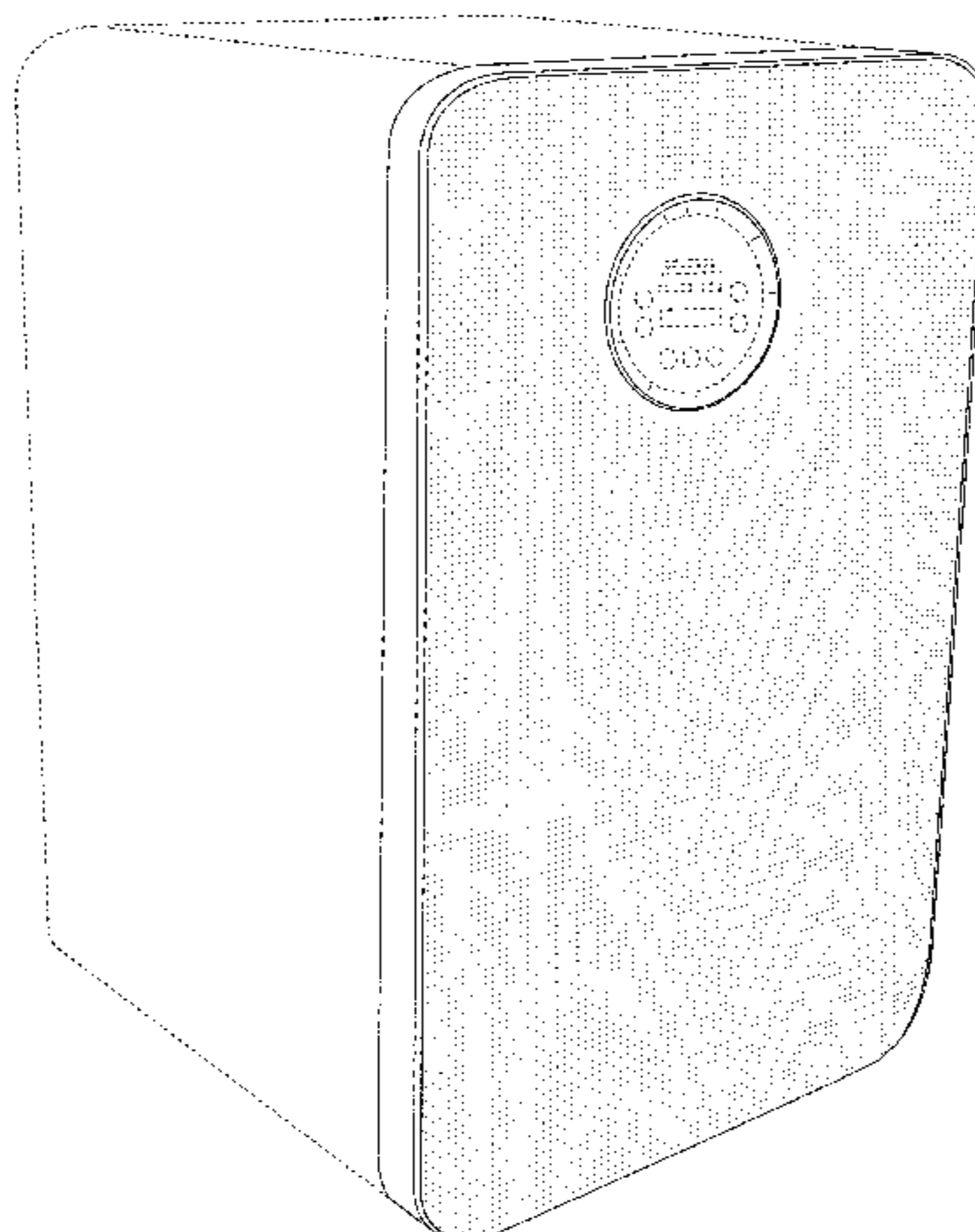
FIG. 13 is a front elevational view showing the design for the
heating device of FIG. 12.

FIG. 14 is a perspective view of a fifth embodiment of a
heating device showing our new design; and,

FIG. 15 is a front elevational view showing the design for
the heating device of FIG. 14.

The broken lines shown in the drawings illustrate portions of
the heating device that form no part of the claimed design.

1 Claim, 15 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D397,115 S *	8/1998	Gremchuck	.....	D14/214	D741,293 S *	10/2015	Baird	.....	D14/214
6,389,226 B1 *	5/2002	Neale	.....	F24H 1/102 392/485	D745,128 S *	12/2015	Farone	.....	D23/355
D496,924 S *	10/2004	Salyer	.....	D14/214	9,316,408 B2 *	4/2016	Justus	.....	F24H 1/06
7,046,922 B1 *	5/2006	Sturm	.....	F24H 9/2028 392/465	2006/0088302 A1 *	4/2006	Sturm	.....	F24H 9/2028 392/480
D547,849 S *	7/2007	Francisquini	.....	D23/351	2009/0229540 A1 *	9/2009	Chang	.....	F24H 1/0009 122/17.1
D616,536 S *	5/2010	Lee	.....	D23/318	2010/0290765 A1 *	11/2010	Lee	.....	F24H 3/0411 392/485
D619,236 S *	7/2010	Schlag	.....	D23/351	2011/0048237 A1 *	3/2011	Ahn	.....	F24F 6/06 96/223
D621,019 S *	8/2010	Kim	.....	D23/356	2011/0253068 A1 *	10/2011	Iskrenovic	.....	F24H 1/225 122/4 R
D621,490 S *	8/2010	Schmidt	.....	D23/319	2012/0031387 A1 *	2/2012	Sharpe	.....	F23G 5/50 126/58
D628,979 S *	12/2010	Yagi	.....	D14/214	2012/0060772 A1 *	3/2012	Roy	.....	F23N 1/002 122/14.2
D641,460 S *	7/2011	Choi	.....	D23/318	2012/0079995 A1 *	4/2012	Jacques	.....	F24H 9/148 122/19.2
D644,627 S *	9/2011	Garrett	.....	D14/214	2012/0275775 A1 *	11/2012	Iskrenovic	.....	F24H 1/142 392/483
8,297,525 B1 *	10/2012	Bolivar	.....	H05B 3/78 236/20 R	2013/0188940 A1 *	7/2013	Hacham-Yona	.....	F24H 9/2021 392/498
8,418,832 B1 *	4/2013	Albertson	.....	F24H 3/081 198/370.09	2014/0064716 A1 *	3/2014	Cohen	.....	F24H 9/2021 392/441
D682,250 S *	5/2013	Mattioli	.....	D14/172	2015/0147054 A1 *	5/2015	Green	.....	F16K 49/002 392/449
D687,134 S *	7/2013	Lee	.....	D23/320	2016/0060873 A1 *	3/2016	Sugatani	.....	E04D 13/178 29/401.1
D687,768 S *	8/2013	Minamikawa	.....	D13/107					
D694,381 S *	11/2013	Kitzke	.....	D23/320					
D714,259 S *	9/2014	Galler	.....	D14/221					
D721,350 S *	1/2015	Kim	.....	D14/188					
D724,564 S *	3/2015	Davies	.....	D14/215					
D729,762 S *	5/2015	Hu	.....	D14/194					
D732,005 S *	6/2015	Davies	.....	D14/215					

* cited by examiner

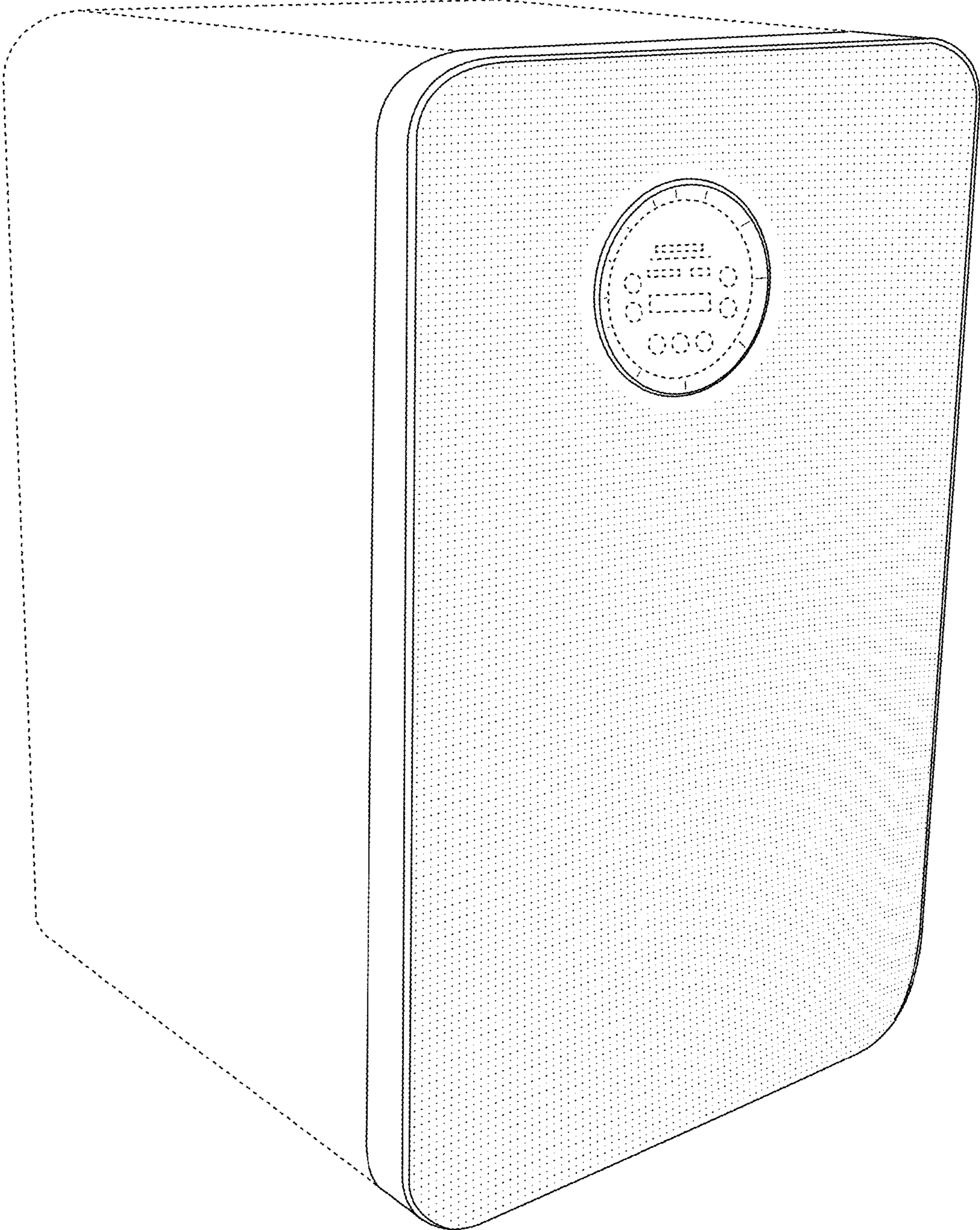


FIG. 1

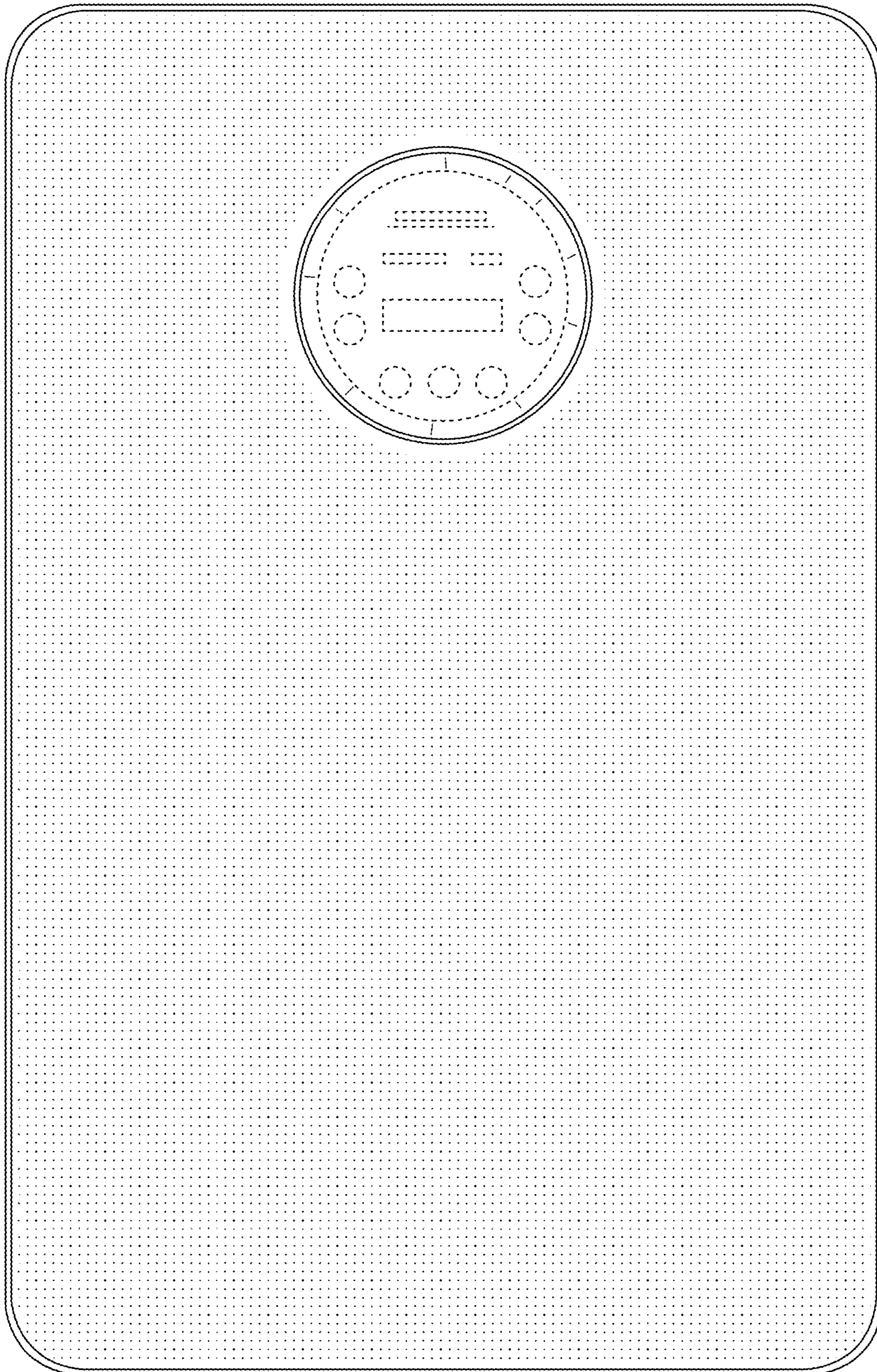


FIG. 2

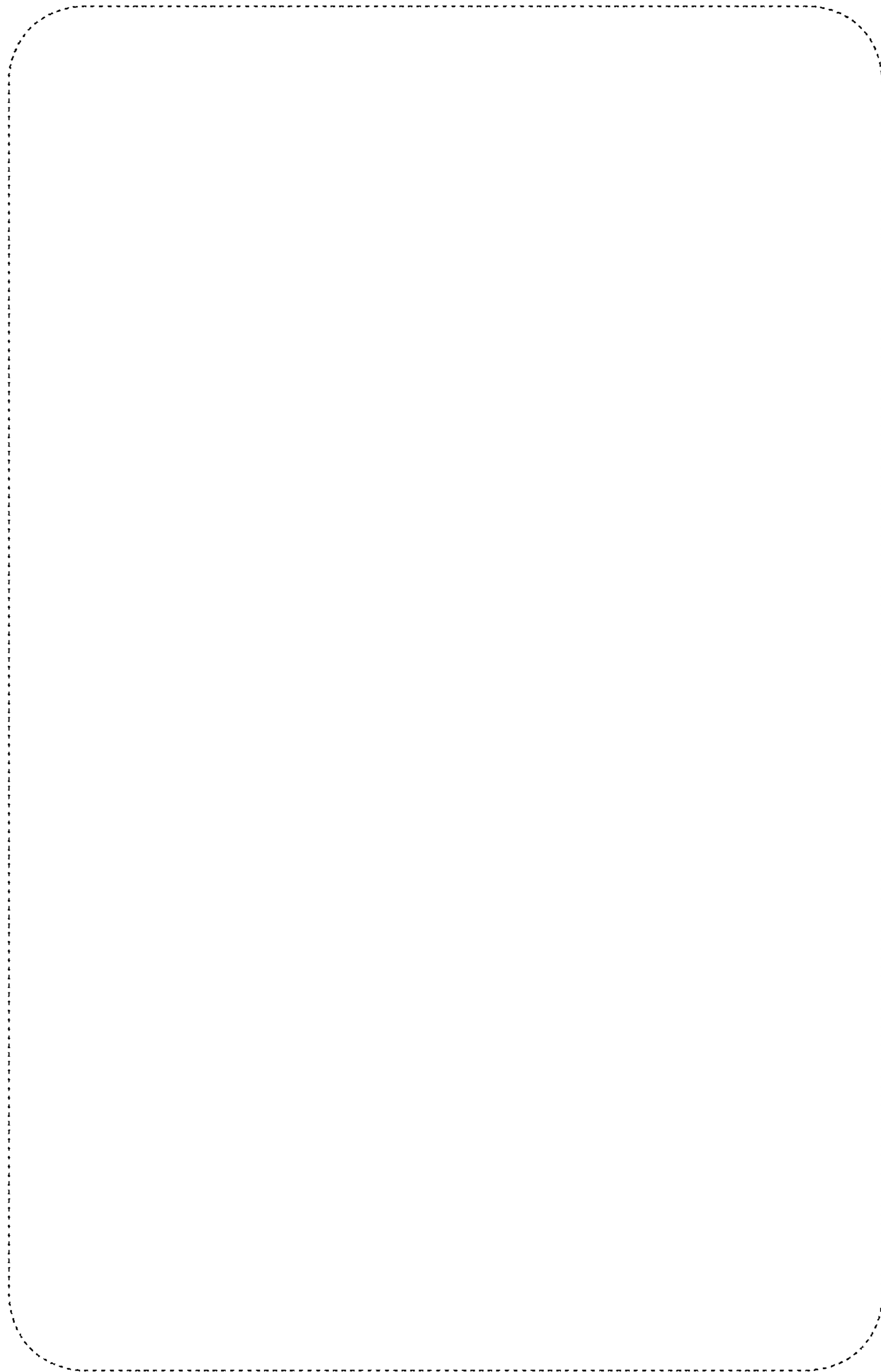


FIG. 3

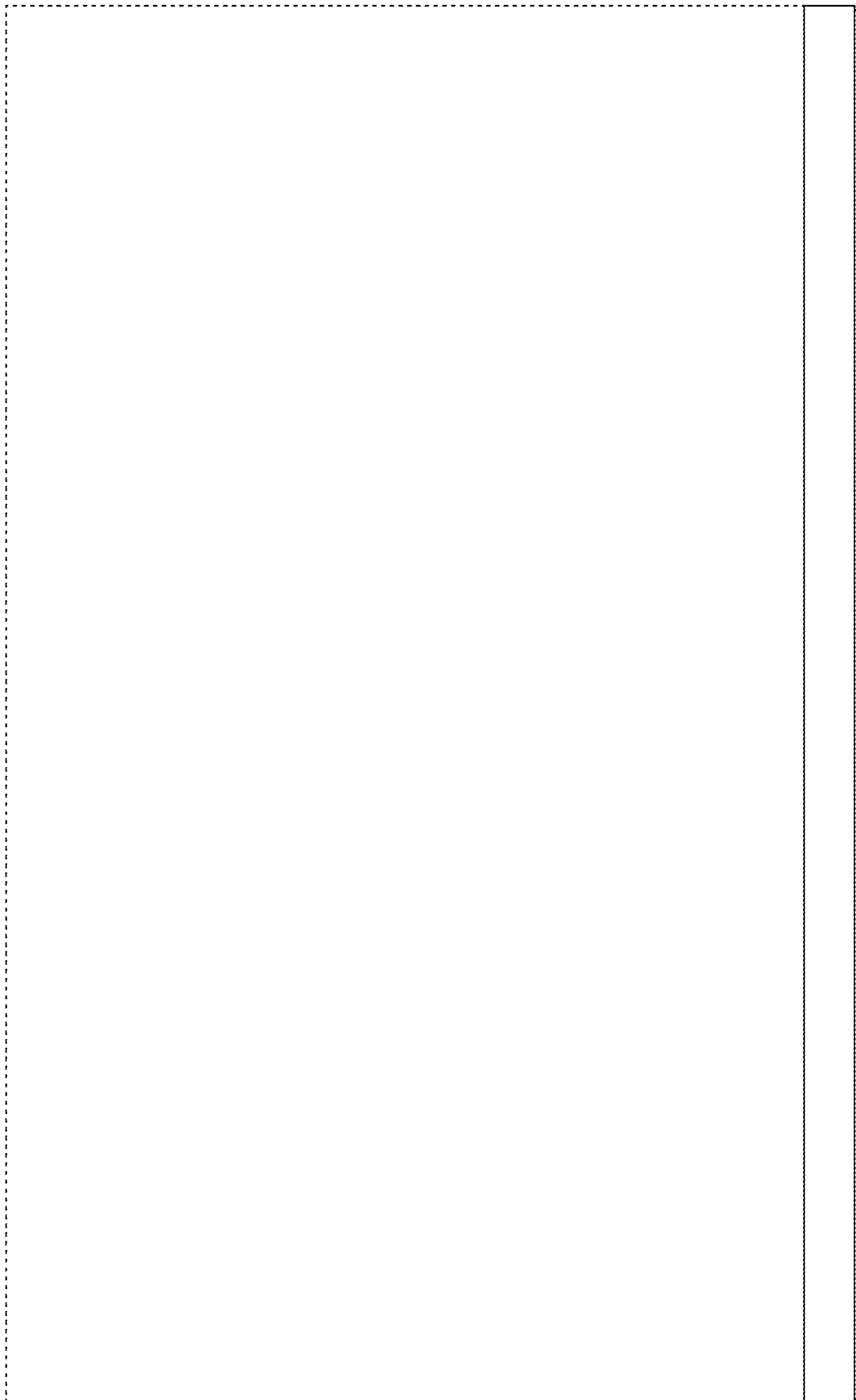


FIG. 4



FIG. 5

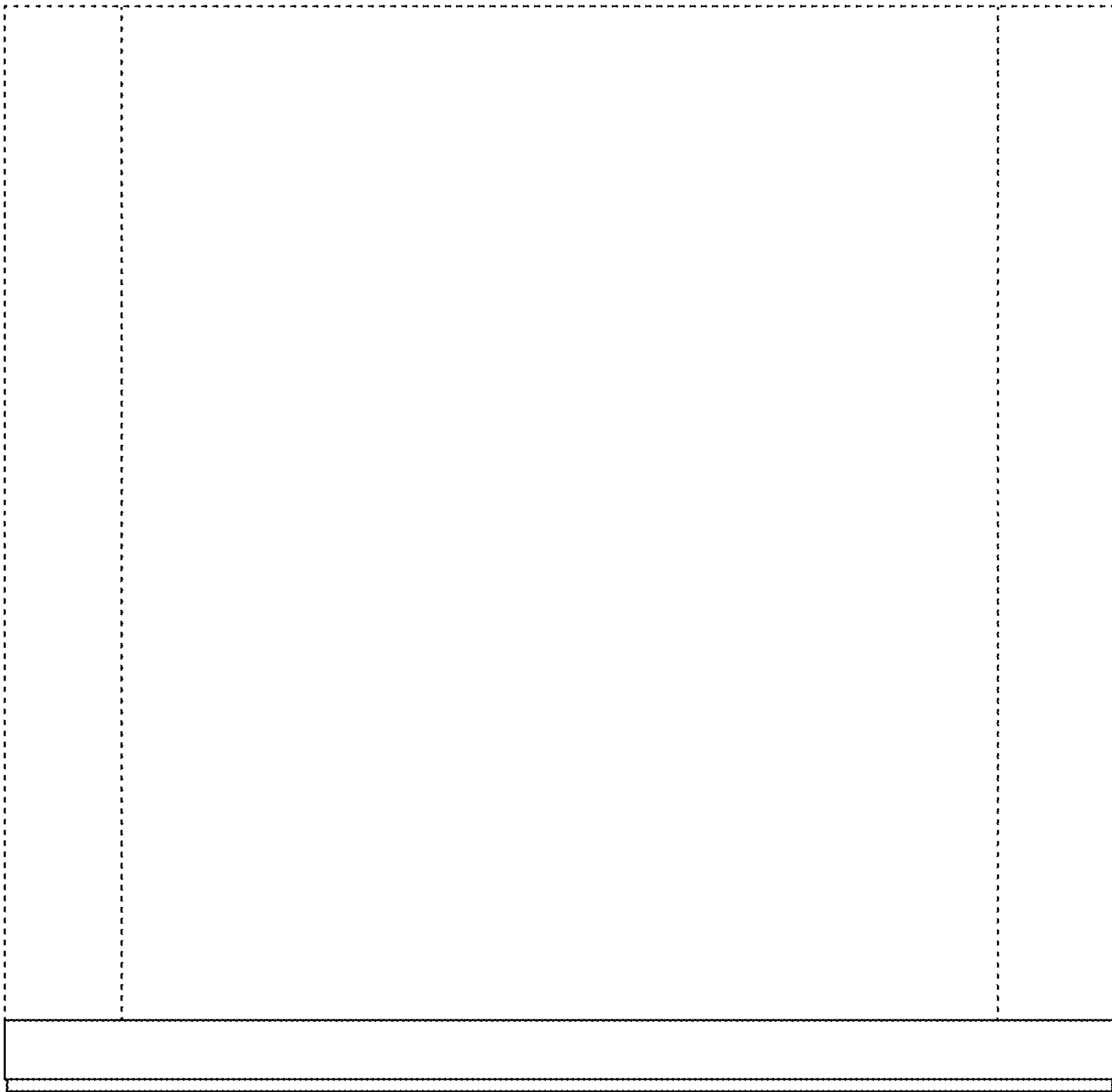


FIG. 6

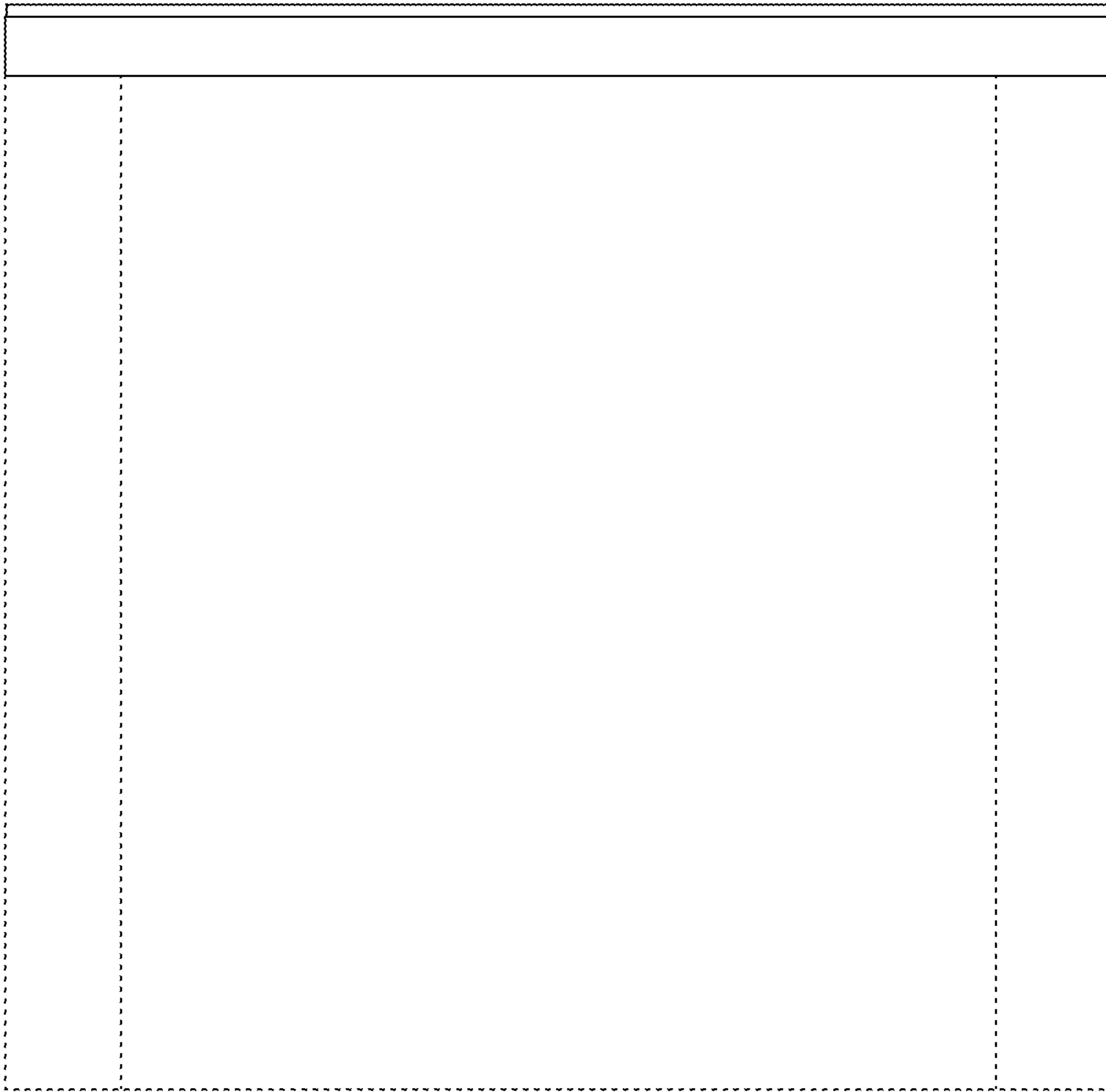


FIG. 7

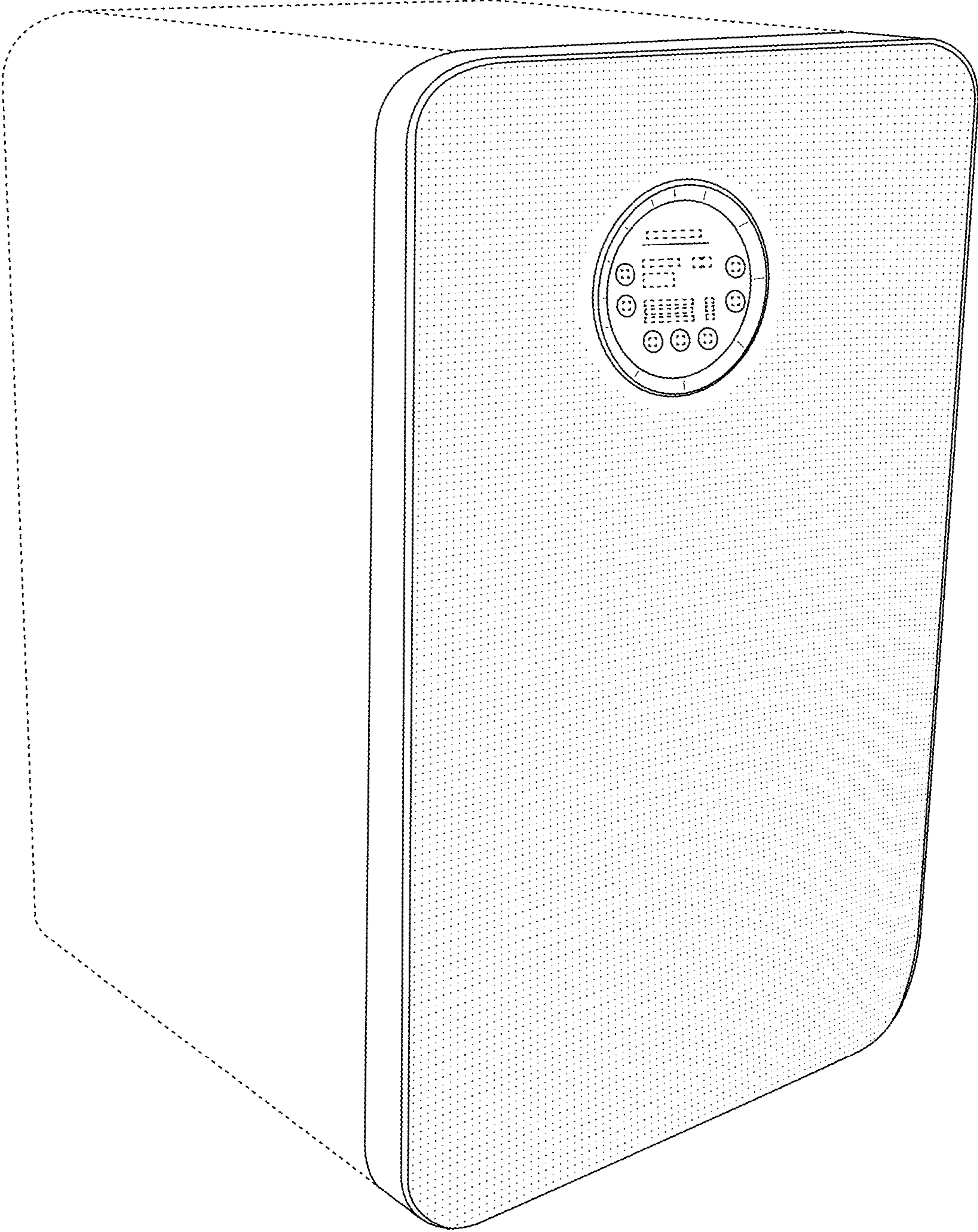


FIG. 8

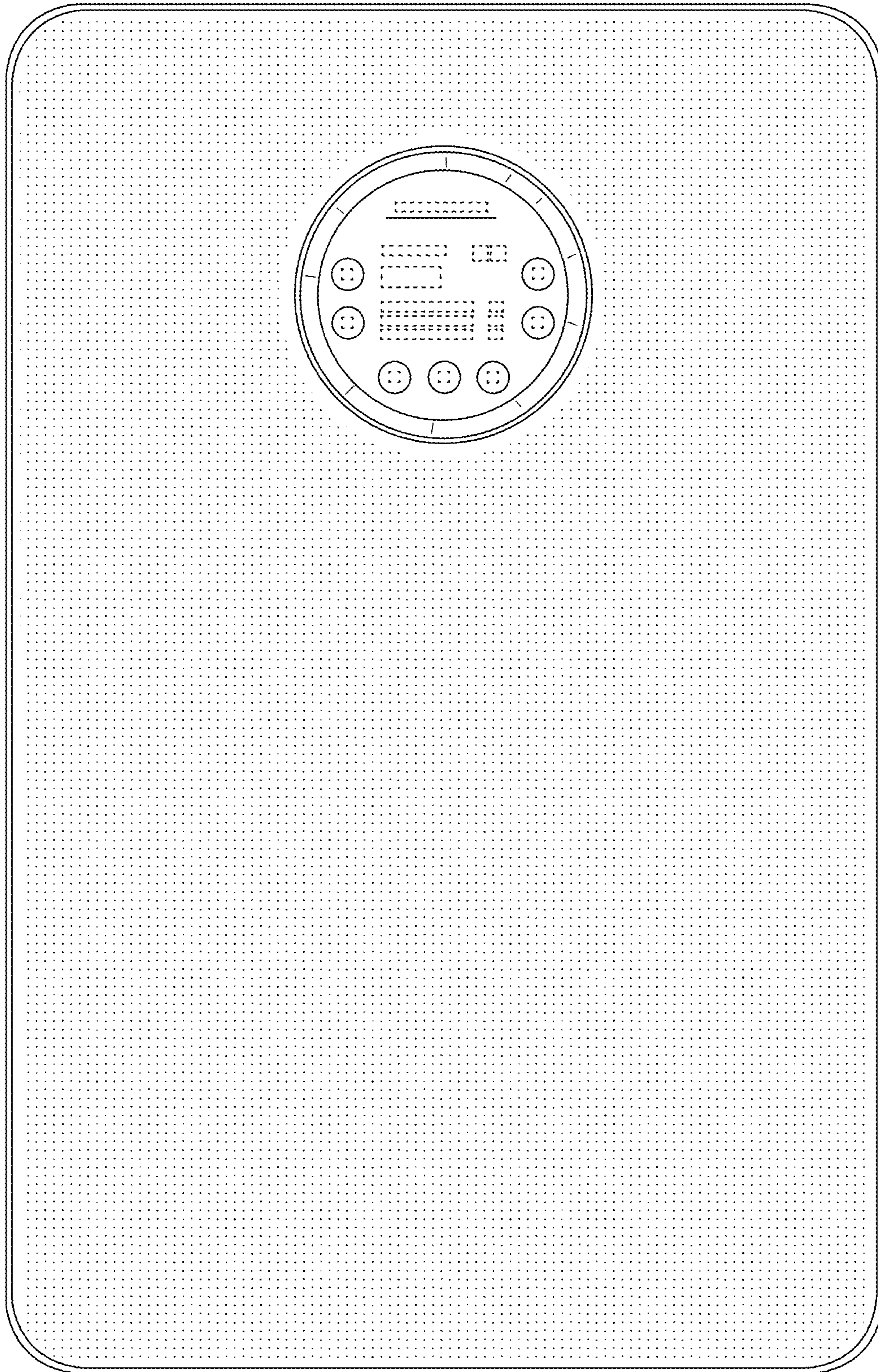


FIG. 9

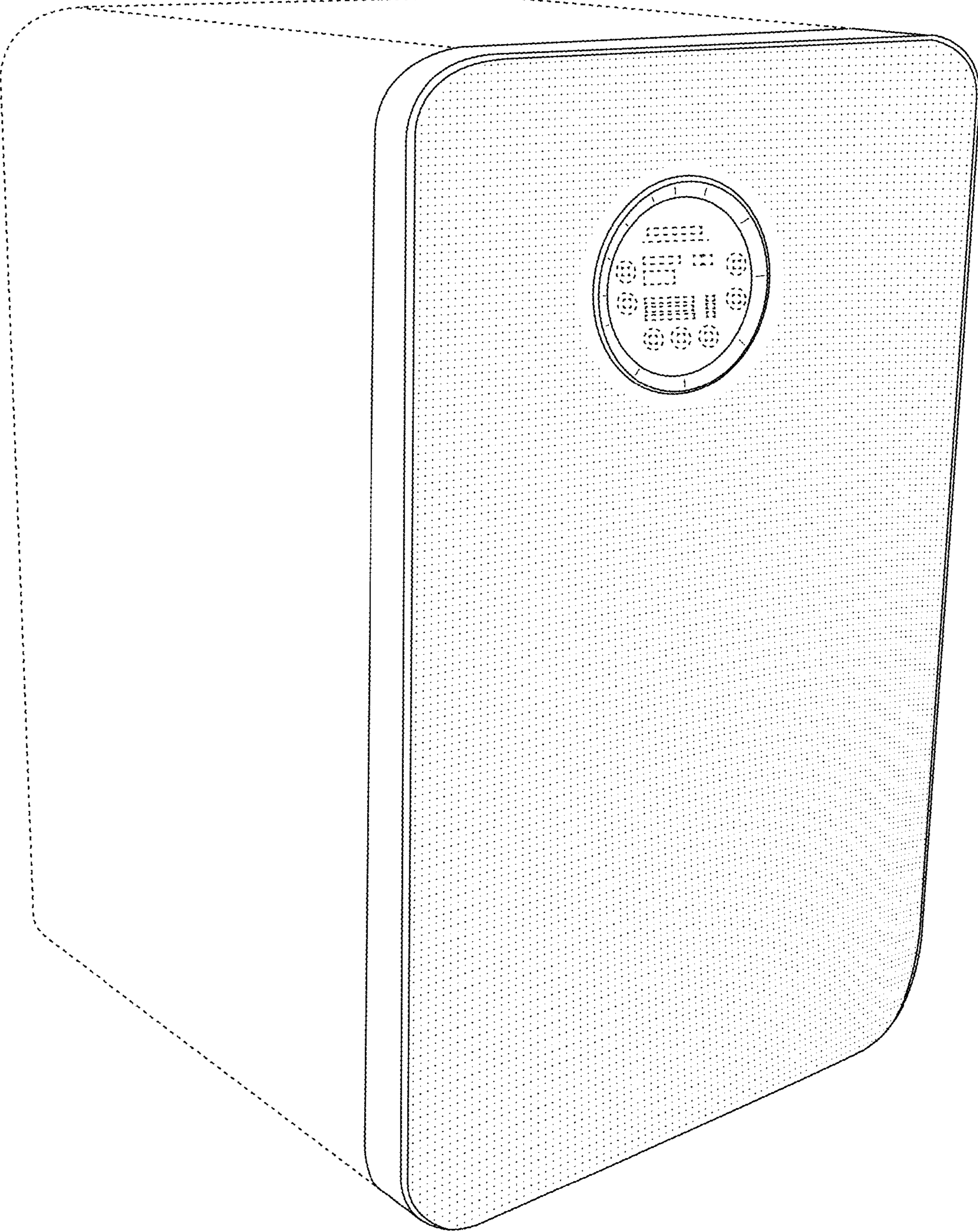


FIG. 10

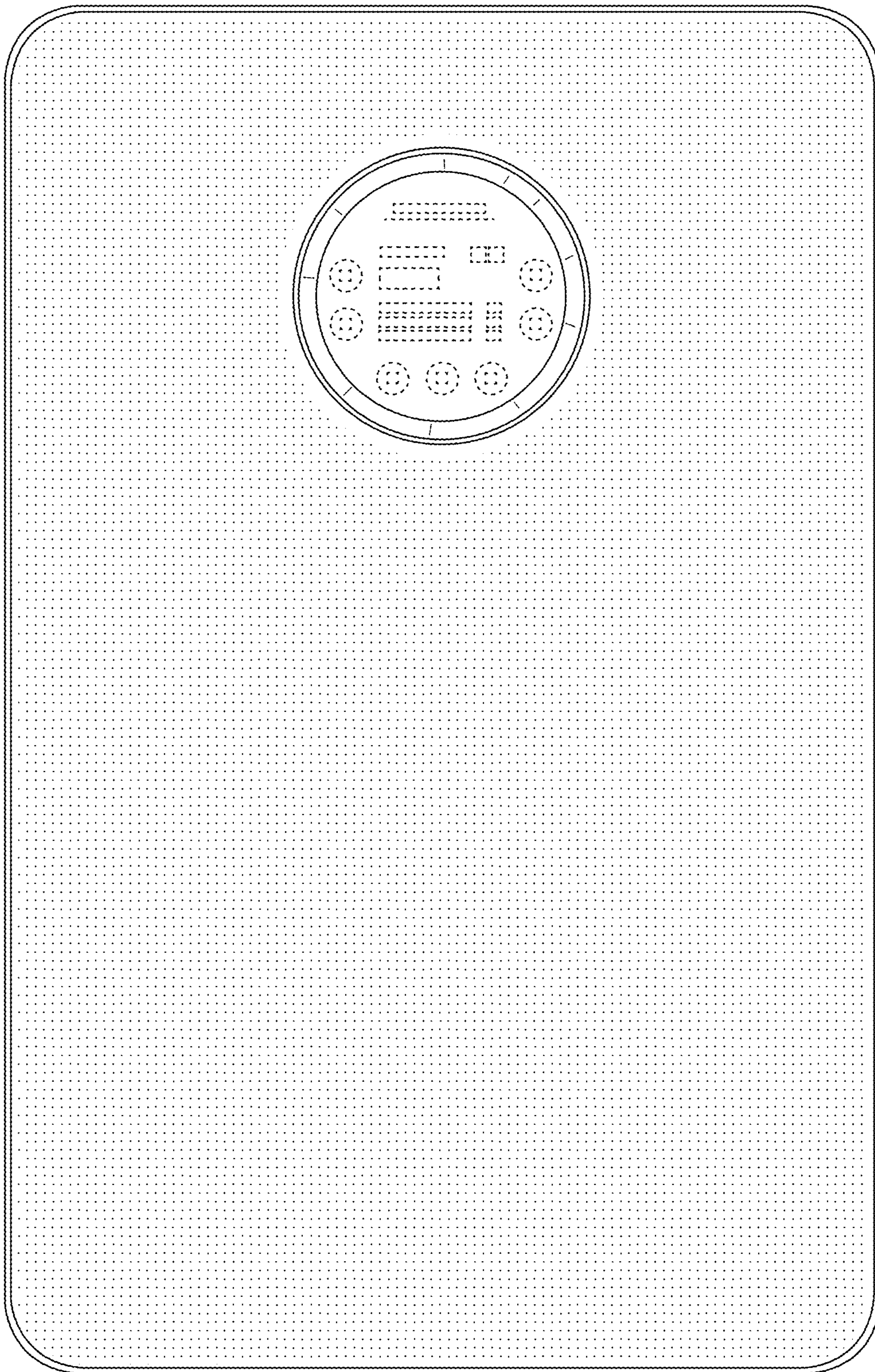


FIG. 11

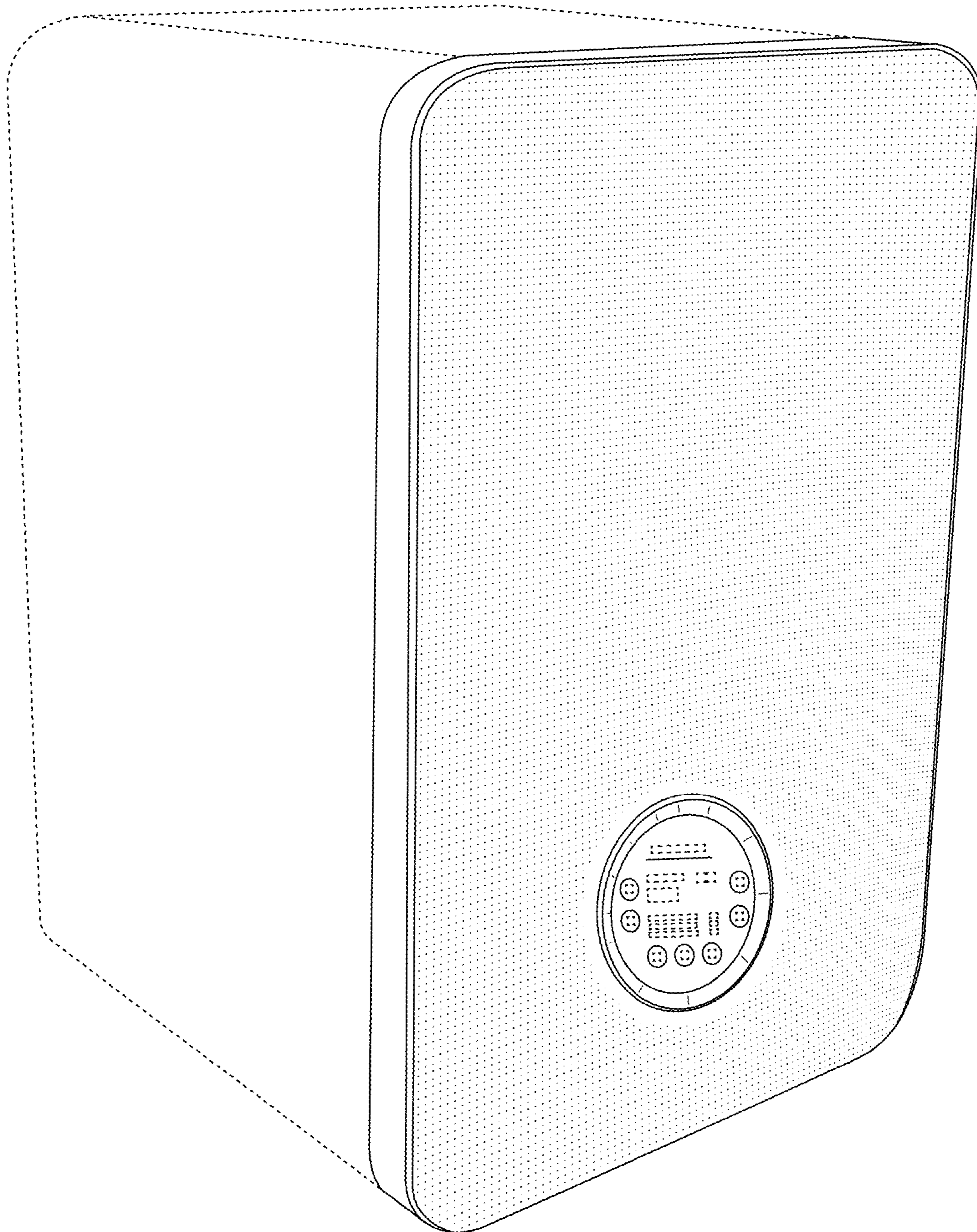


FIG. 12

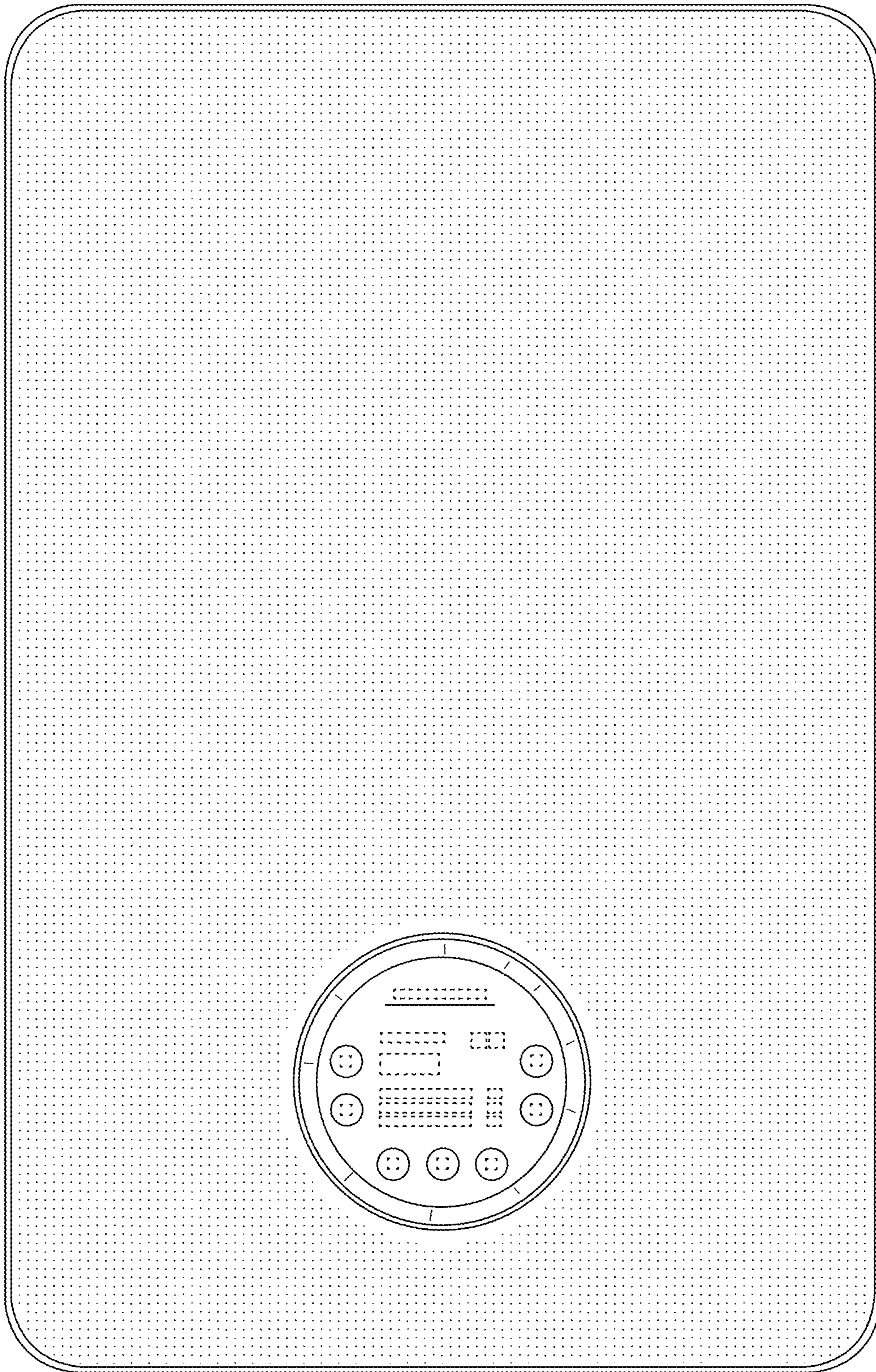


FIG. 13

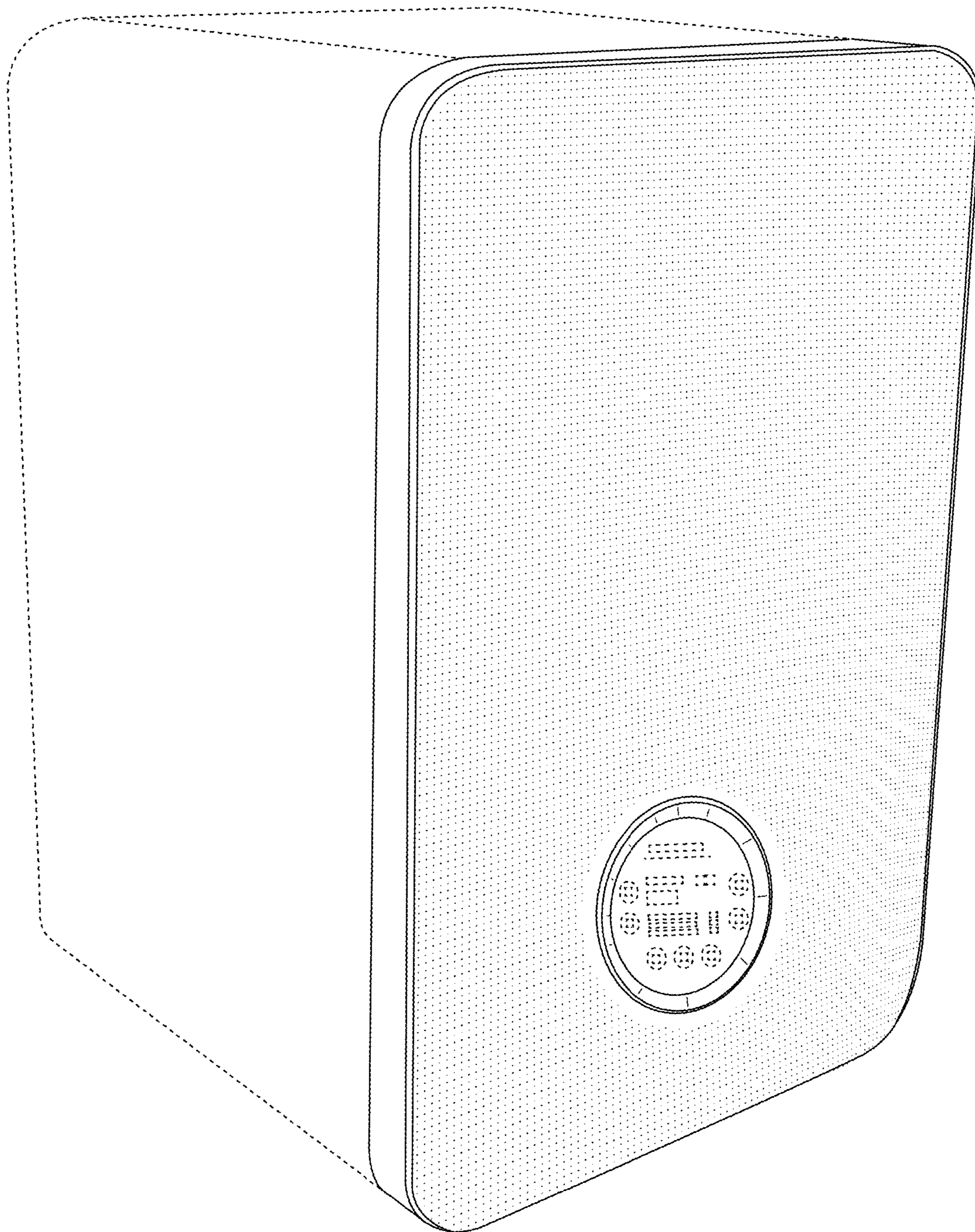


FIG. 14

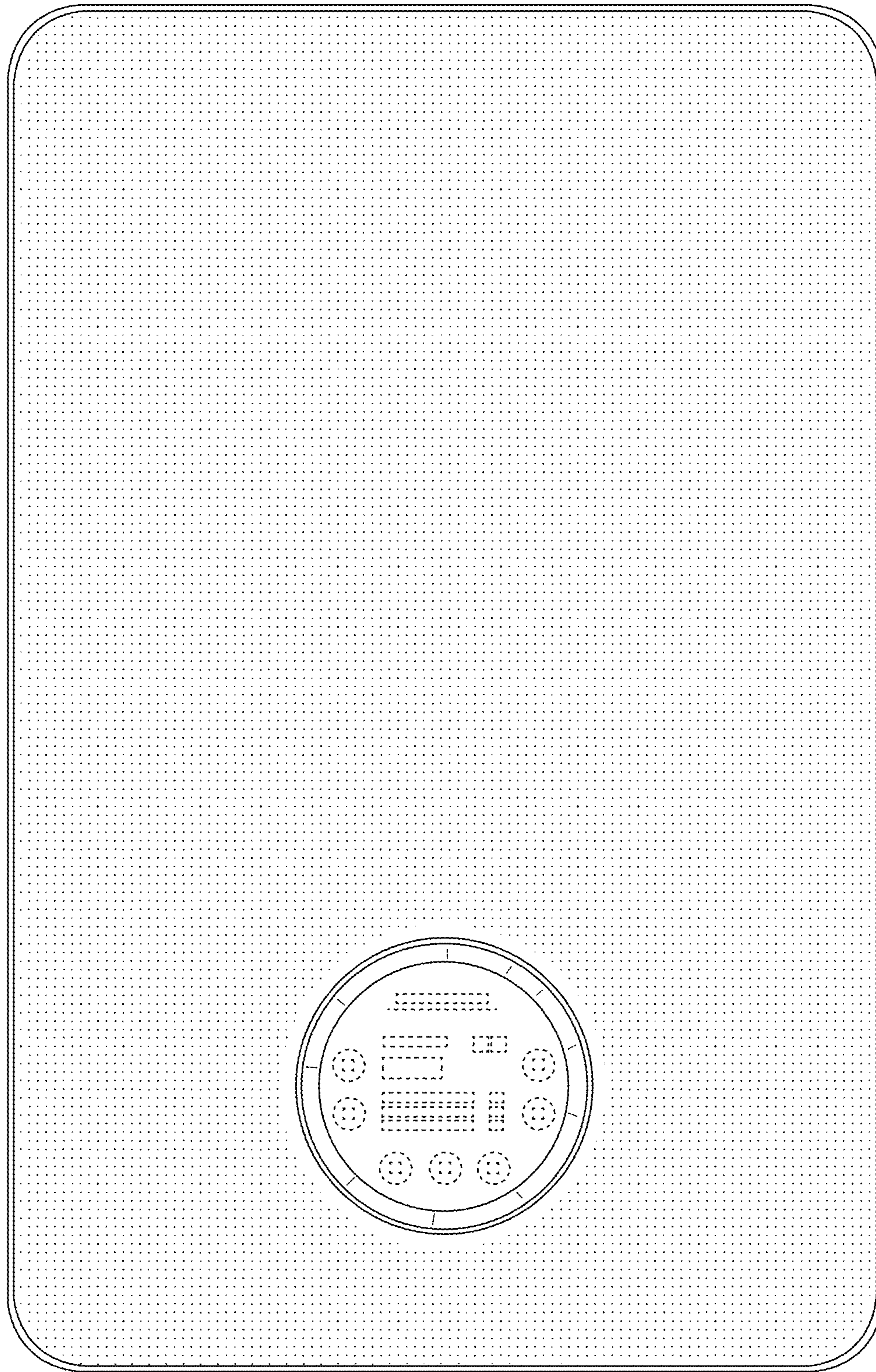


FIG. 15