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(12) United States Design Patent

Liao et al.

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(54) **INTELLIGENT DIMMING PANEL**

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(73) Assignee: **Shenzhen Tomtop Technology Co., Ltd.**, Shenzhen (CN)

(*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/600,968**

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(51) **LOC (11) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/169**

(58) **Field of Classification Search**
USPC D13/162, 169, 174
CPC H01H 3/02; H01H 3/04; H01H 3/0213; H01H 9/02; H01H 9/16; H01H 9/18; H01H 9/181; H01H 9/182; H01H 13/02; H01H 13/04; H01H 13/14; H01H 23/02; H01H 23/04; H01H 23/08; H01H 23/12; H01H 23/14; H01H 23/145; H01H 23/164; H02G 3/12; H02G 3/14; H05B 37/02; H05B 37/0254; H05B 37/0263; H05B 37/0272; H05B 33/0815
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D204,941 S * 5/1966 Ramsing et al. D13/169
4,669,804 A * 6/1987 Munroe H02G 3/18 439/398
D315,145 S * 3/1991 Pearlman D13/169
5,696,350 A * 12/1997 Anker H02G 3/14 174/66
5,895,888 A * 4/1999 Arenas H02G 3/14 174/66
D473,528 S * 4/2003 Wengrower D13/169
6,657,144 B2 * 12/2003 Savicki, Jr. H01H 23/04 174/53
7,034,236 B2 * 4/2006 Endres ..... H01H 19/635 200/17 R
D534,875 S * 1/2007 Wu D13/169
D576,566 S * 9/2008 Wu D13/169
D576,961 S * 9/2008 Kidman D13/169
D576,962 S * 9/2008 Kidman D13/169
D583,335 S * 12/2008 Ni D13/169
7,482,534 B2 * 1/2009 Ye ..... H01H 3/0213 174/17 VA
7,667,155 B1 * 2/2010 Ni H01H 23/145 200/331
7,777,145 B2 * 8/2010 Burrell H05B 37/0263 200/330

(Continued)

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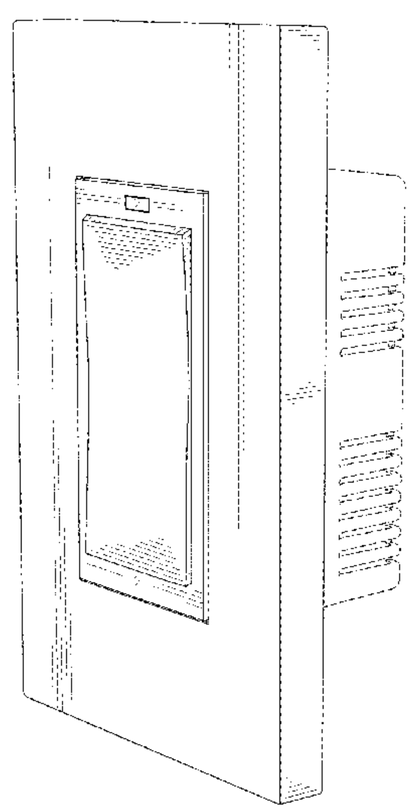
(57) **CLAIM**

The ornamental design for an intelligent dimming panel, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of an intelligent dimming panel, showing our new design;
FIG. **2** is a front view thereof;
FIG. **3** is a rear view thereof;
FIG. **4** is a left side view thereof;
FIG. **5** is a right side view thereof;
FIG. **6** is a bottom view thereof; and,
FIG. **7** is a top view thereof.
The broken line portions are included to show unclaimed subject matter only and form no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

7,960,651	B2 *	6/2011	Alderson	H02G 3/14 174/53
D649,122	S *	11/2011	Jacoby	D13/162
8,658,893	B1 *	2/2014	Shotey	H01H 11/0006 174/53
8,853,893	B2 *	10/2014	Savicki, Jr.	H05B 33/0815 200/339
D740,766	S *	10/2015	Falkenberg	D13/169
D781,247	S *	3/2017	Hoffknecht	D13/164
9,691,573	B2 *	6/2017	Dhote	H01H 15/10
D797,061	S *	9/2017	Lacey	D13/169
2005/0115818	A1 *	6/2005	Kurek	H01H 23/025 200/553
2006/0201694	A1 *	9/2006	Lindenstraus	H02G 3/125 174/66
2008/0017398	A1 *	1/2008	Alderson	H02G 3/14 174/66
2009/0167098	A1 *	7/2009	Kalatizadeh	H03K 17/94 307/116
2010/0214756	A1 *	8/2010	Feldstein	H01H 9/0271 361/807
2012/0068894	A1 *	3/2012	Feldstein	H01Q 1/007 343/702
2012/0292174	A1 *	11/2012	Mah	H01H 3/227 200/573

* cited by examiner

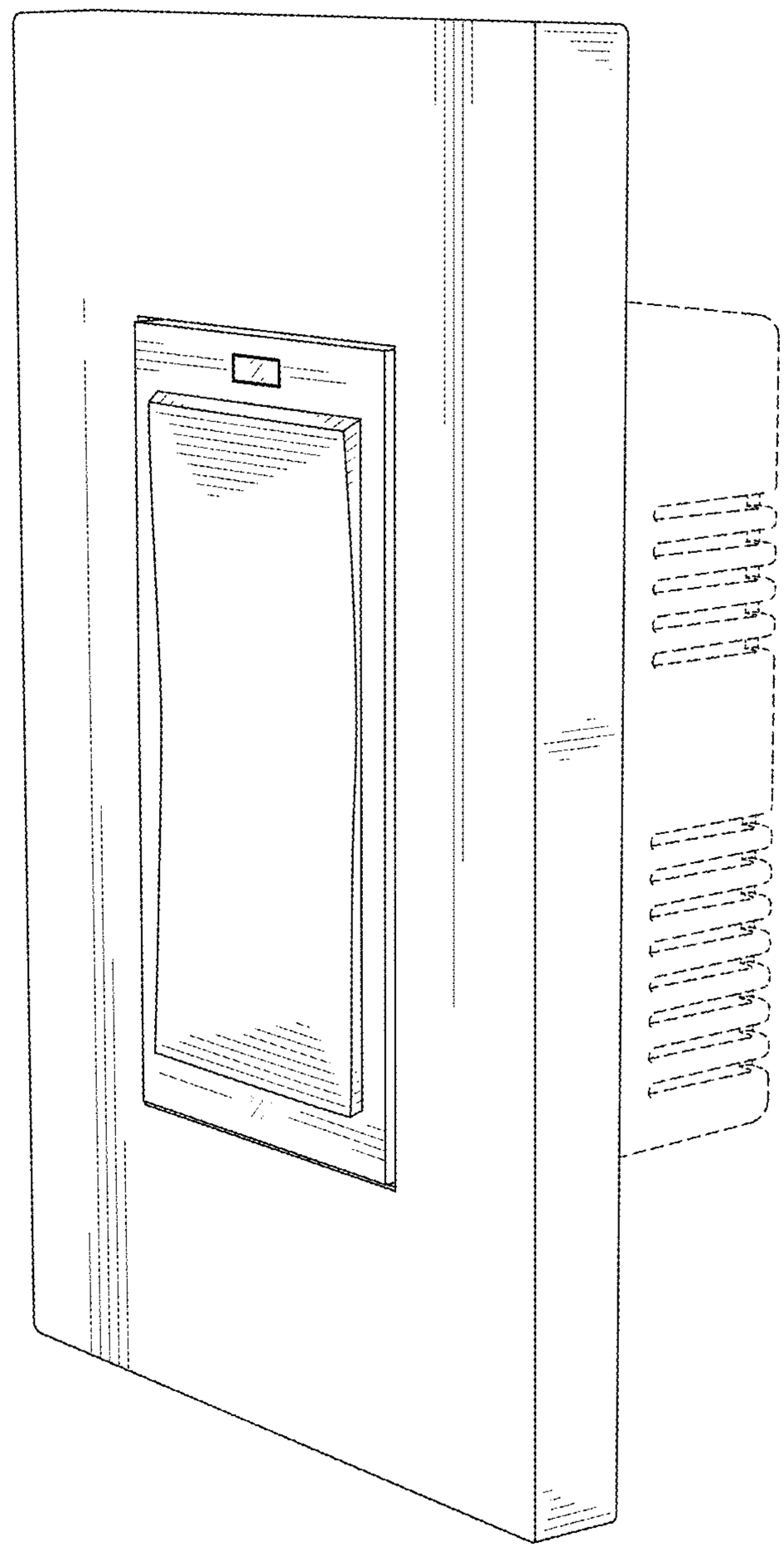


FIG. 1

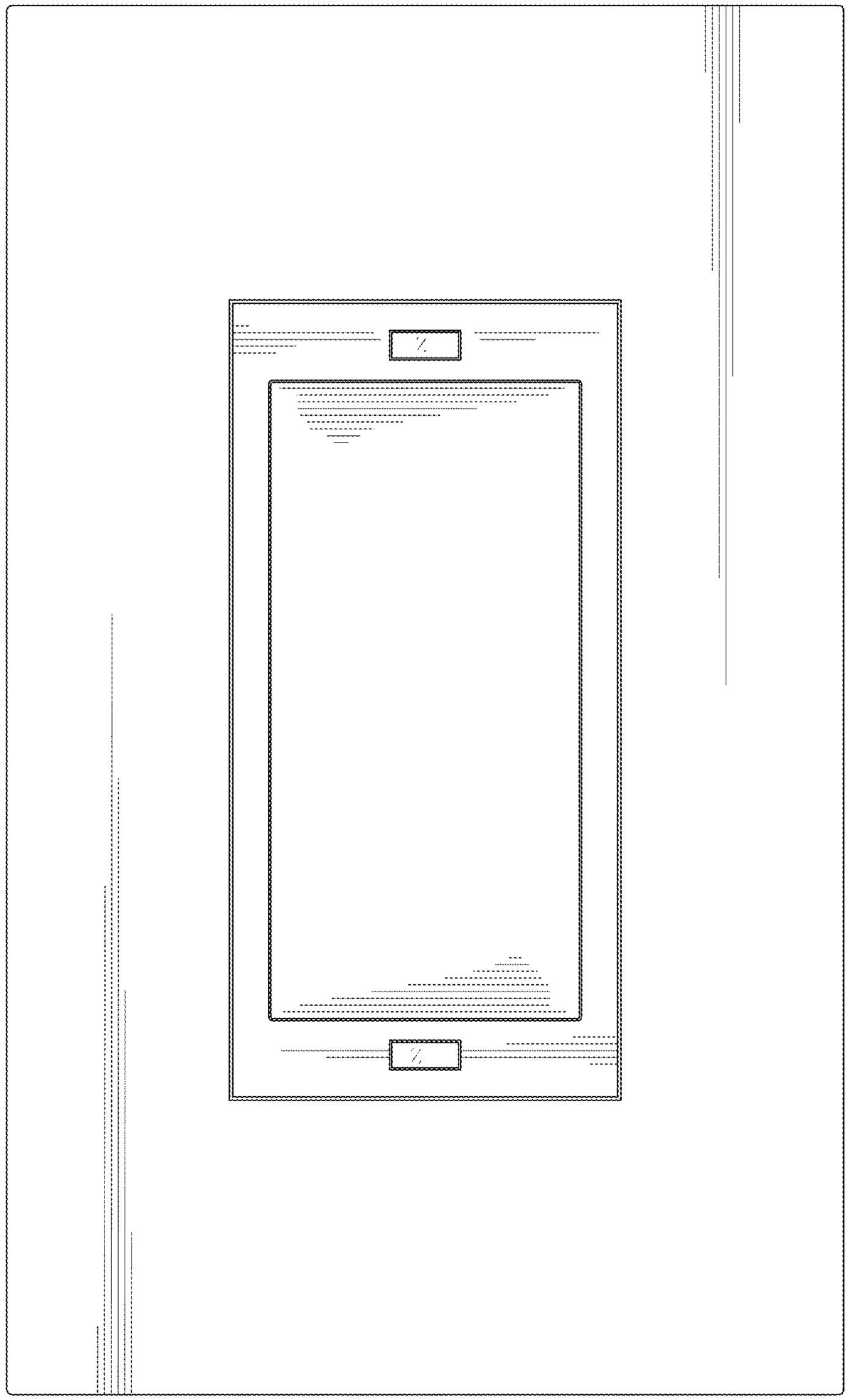


FIG. 2

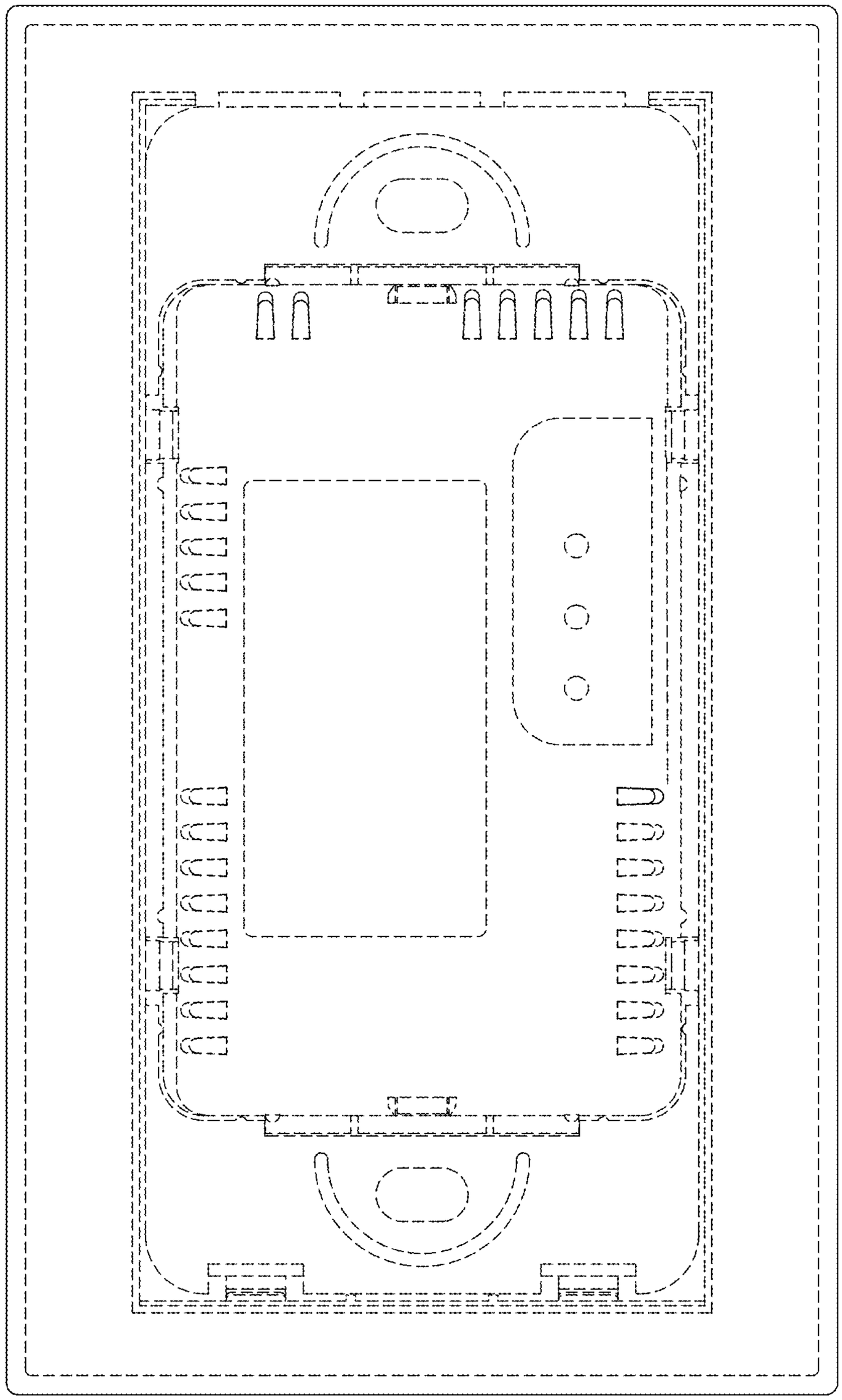


FIG. 3

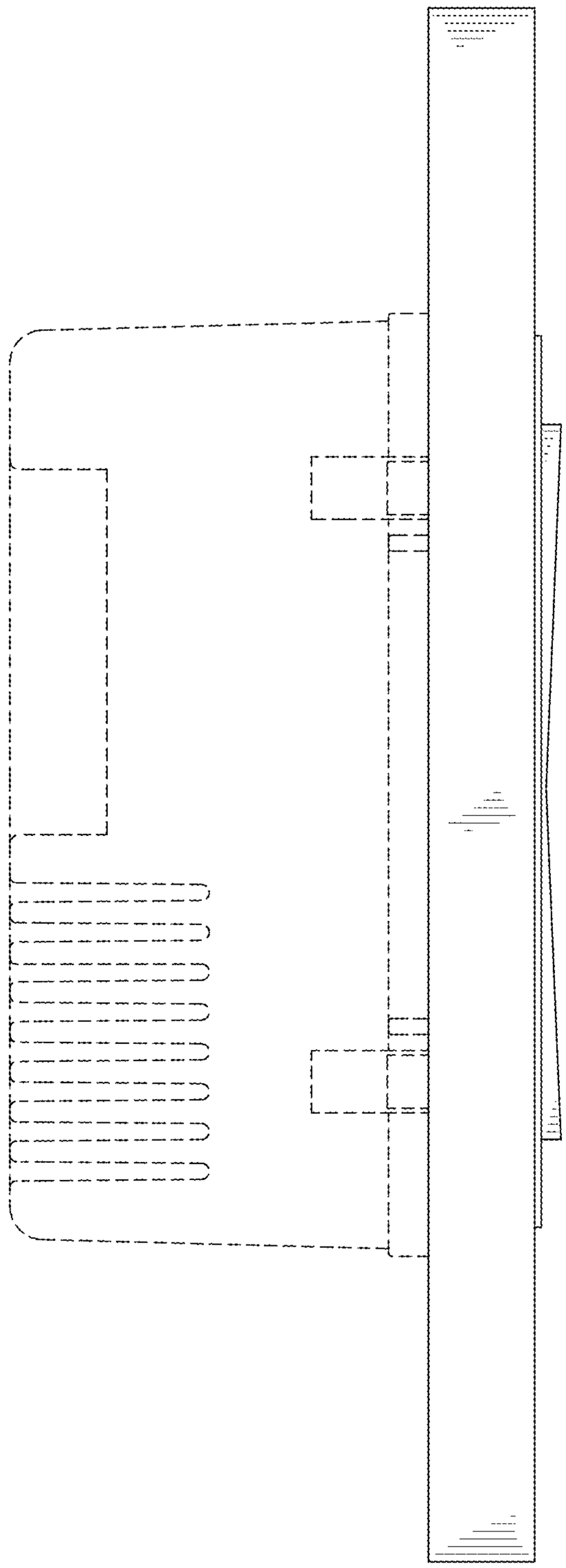


FIG. 4

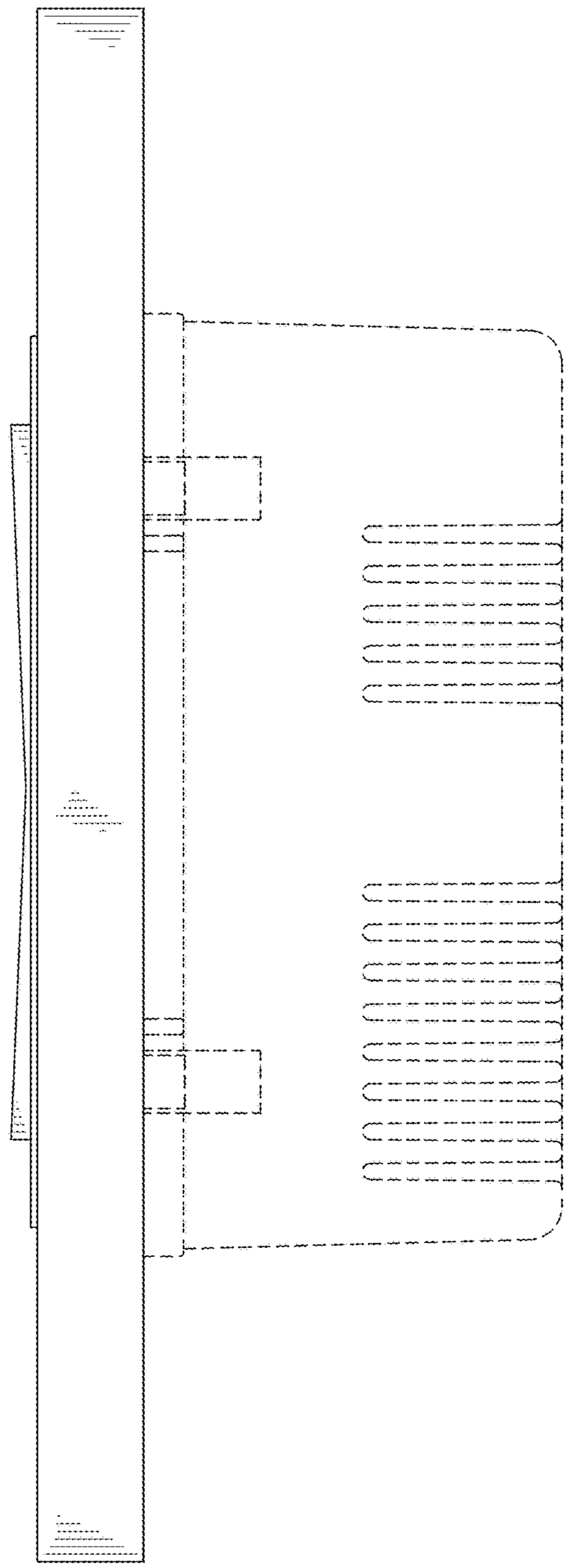


FIG. 5

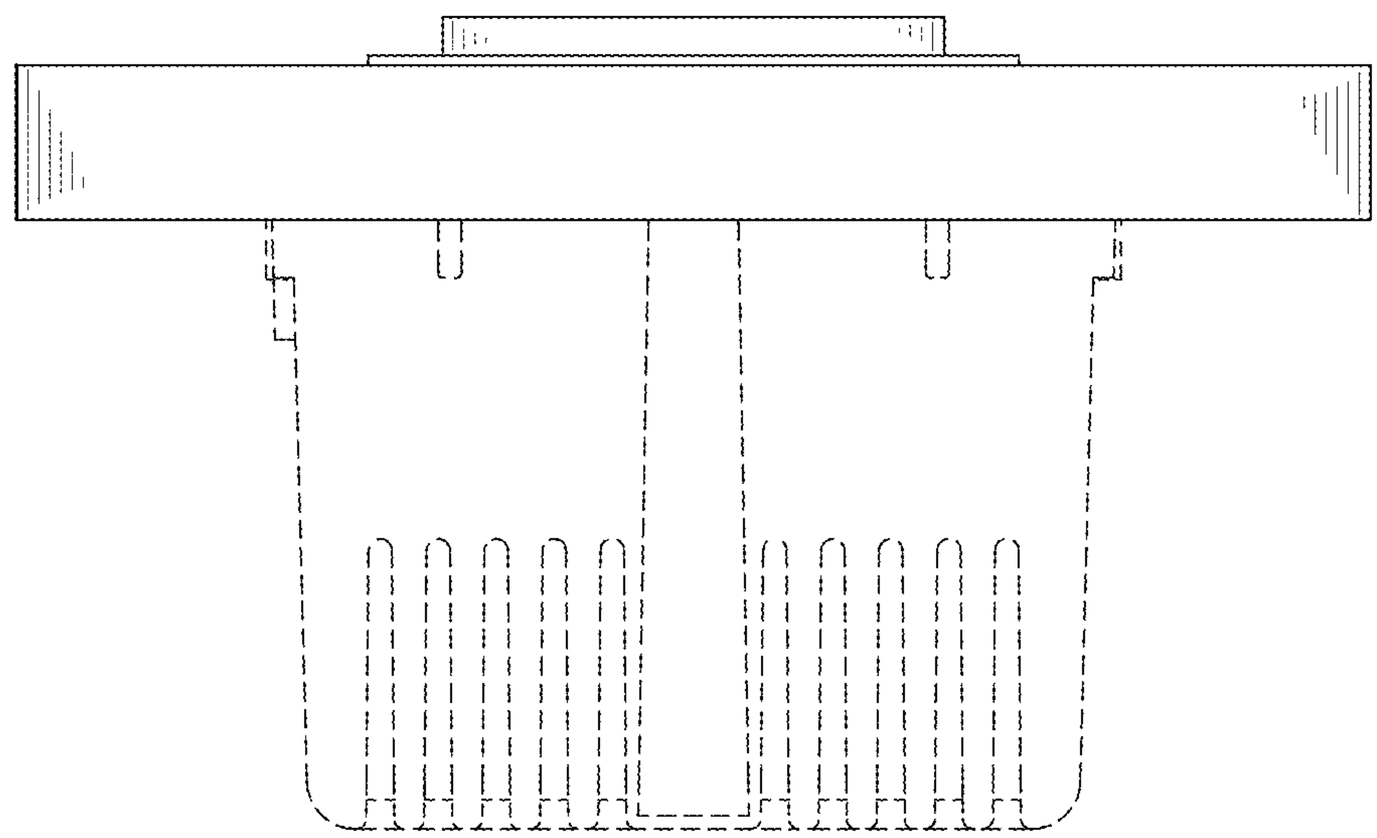


FIG. 6

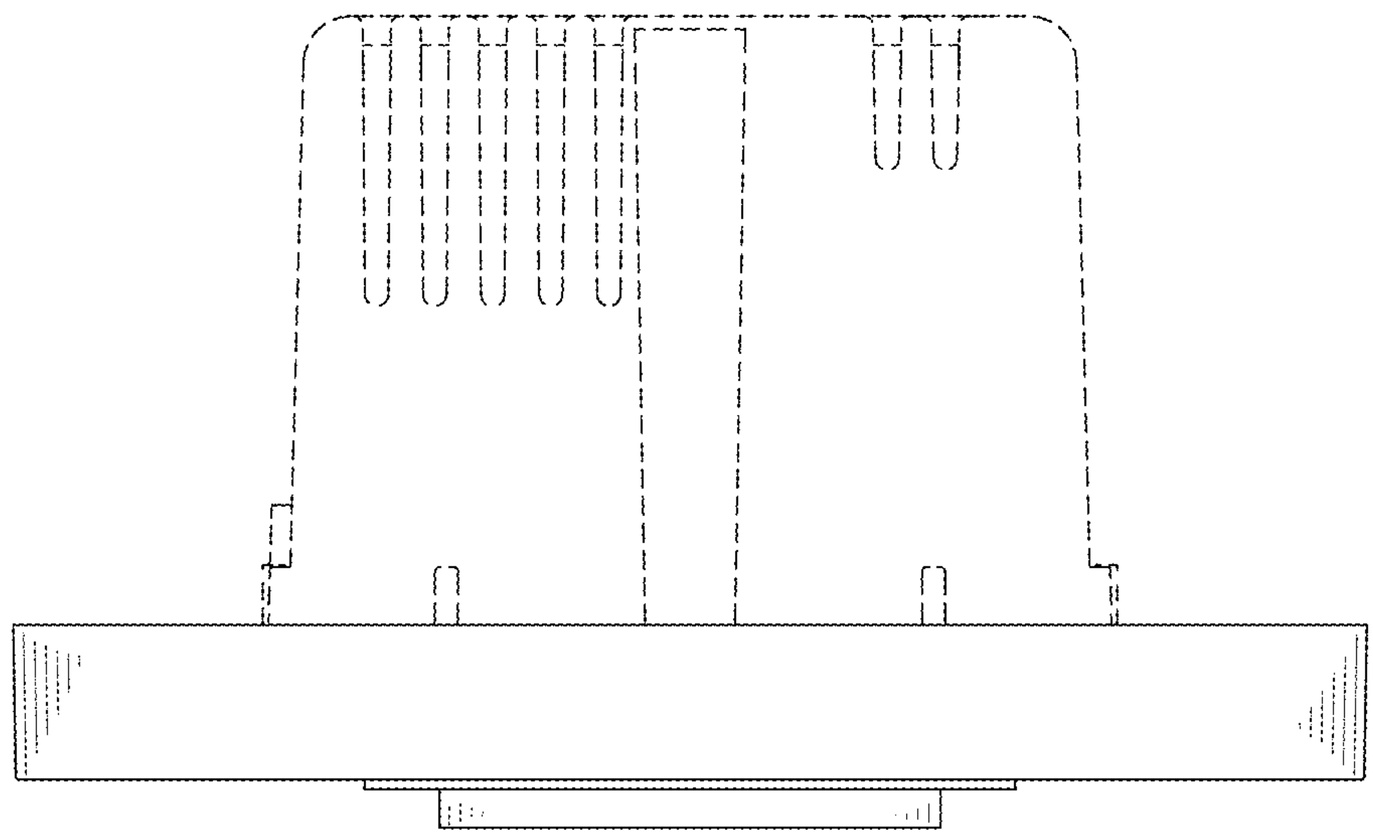


FIG. 7