



US00D892211S

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

(10) **Patent No.:** **US D892,211 S**

(45) **Date of Patent:** **** Aug. 4, 2020**

(54) **NATURAL CONVECTION ULTRAVIOLET PINNING LAMP**

(57) **CLAIM**

(71) Applicant: **Phaseon Technology, Inc.**, Hillsboro, OR (US)

The ornamental design for the natural convection ultraviolet pinning lamp, as shown and described.

(72) Inventor: **Gary Till**, Newberg, OR (US)

(73) Assignee: **Phaseon Technology, Inc.**, Hillsboro, OR (US)

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

DESCRIPTION

(21) Appl. No.: **29/630,164**

(22) Filed: **Dec. 19, 2017**

(51) **LOC (12) Cl.** **14-02**

(52) **U.S. Cl.**
USPC **D18/56**

(58) **Field of Classification Search**
USPC D14/299, 301-303, 307, 332, 386,
D14/420-425, 432, 439, 441, 443, 447,
(Continued)

FIG. 1 is a front perspective view of a natural convection ultraviolet pinning lamp according to an embodiment of the present invention.

FIG. 2 is a back perspective view of the natural convection ultraviolet pinning lamp of FIG. 1.

FIG. 3 is a front elevation view of the natural convection ultraviolet pinning lamp of FIG. 1.

FIG. 4 is a back elevation view of the natural convection ultraviolet pinning lamp of FIG. 1.

FIG. 5 is a left side elevation view of the natural convection ultraviolet pinning lamp of FIG. 1.

FIG. 6 is a right side elevation view of the natural convection ultraviolet pinning lamp of FIG. 1.

FIG. 7 is a top plan view of the natural convection ultraviolet pinning lamp of FIG. 1.

FIG. 8 is a bottom plan view of the natural convection ultraviolet pinning lamp of FIG. 1.

FIG. 9 is a front perspective view of the natural convection ultraviolet pinning lamp of FIG. 1, with a lens of the natural convection ultraviolet pinning lamp shown in environment.

FIG. 10 is a front perspective view of the natural convection ultraviolet pinning lamp, according to a second embodiment of the present invention.

FIG. 11 is a back perspective view of the natural convection ultraviolet pinning lamp of FIG. 10.

FIG. 12 is a front elevation view of the natural convection ultraviolet pinning lamp of FIG. 10.

FIG. 13 is a back elevation view of the natural convection ultraviolet pinning lamp of FIG. 10.

FIG. 14 is a left side elevation view of the natural convection ultraviolet pinning lamp of FIG. 10.

FIG. 15 is a right side elevation view of the natural convection ultraviolet pinning lamp of FIG. 10.

FIG. 16 is a top plan view of the natural convection ultraviolet pinning lamp of FIG. 10.

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D330,090 S * 10/1992 Walter D26/51
D449,587 S * 10/2001 Cronin D13/179
(Continued)

FOREIGN PATENT DOCUMENTS

JP 1172790 S 5/2003

OTHER PUBLICATIONS

Phaseon Exhibits at InPrint Milan 2018, dated Oct. 25, 2018, phaseon.com [online]. Retrieved Mar. 26, 2020 from internet <URL:https://phaseon.com/press-releases/phaseon-technology-exhibits-led-curing-solutions-at-inprint-milan-2018/> (Year: 2018).*

Primary Examiner — Cathron C Brooks
Assistant Examiner — Andrew T Nemeth

(74) *Attorney, Agent, or Firm* — McCoy Russell LLP

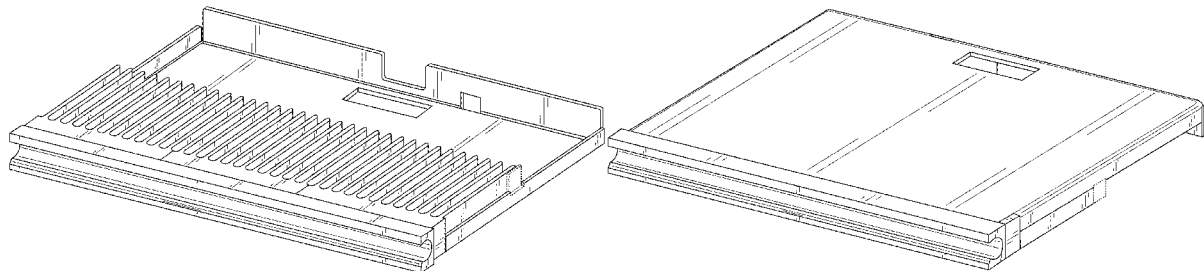


FIG. 17 is a bottom plan view of the natural convection ultraviolet pinning lamp of FIG. 10.
 FIG. 18 is a front perspective view of the natural convection ultraviolet pinning lamp of FIG. 10, with a lens of the natural convection ultraviolet pinning lamp shown in environment.
 FIG. 19 is a front perspective view of the natural convection ultraviolet pinning lamp, according to a third embodiment of the present invention.
 FIG. 20 is a back perspective view of the natural convection ultraviolet pinning lamp of FIG. 19.
 FIG. 21 is a front elevation view of the natural convection ultraviolet pinning lamp of FIG. 19.
 FIG. 22 is a back elevation view of the natural convection ultraviolet pinning lamp of FIG. 19.
 FIG. 23 is a left side elevation view of the natural convection ultraviolet pinning lamp of FIG. 19.
 FIG. 24 is a right side elevation view of the natural convection ultraviolet pinning lamp of FIG. 19.
 FIG. 25 is a top plan view of the natural convection ultraviolet pinning lamp of FIG. 19; and,
 FIG. 26 is a bottom plan view of the natural convection ultraviolet pinning lamp of FIG. 19.
 The dashed lines in FIGS. 1-3, 5-6, 9-12, 14-15, 18-21, and 23-24 illustrate portions of the natural convection ultraviolet pinning lamp that form no part of the claimed design.
 The dash-dot-dash lines in FIGS. 9 and 18 illustrate environmental structure that forms no part of the claimed design.
 In FIGS. 19-22 and 25-26, the article is shown with a symbolic break centered along its length. The symbolic break lines and the appearance of any portion of the article between the break lines form no part of the claimed design.

1 Claim, 20 Drawing Sheets

(58) **Field of Classification Search**

USPC D14/462-471, 474, 480.5, 483-484;
 D18/12, 14, 18-19, 36-41, 43-54, 55-59,
 D18/54.1, 99
 CPC .. G06K 15/12; G06K 15/14; B41J 3/00; B41J
 3/28; B41J 11/00; B41J 11/58; B41J
 15/12; B41J 15/042; G03G 15/00; G03G
 15/0142; H04N 1/00129; H04N 1/00135;
 H04N 1/00204; H04N 1/00278
 See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D531,138	S *	10/2006	Ness	.....	D13/179
D532,148	S *	11/2006	Matsui	.....	D26/138
D535,774	S *	1/2007	Weston	.....	D26/61
D615,235	S *	5/2010	Zheng	.....	D26/63
D617,484	S *	6/2010	Fredricks	.....	D26/51
D617,928	S *	6/2010	Fredricks	.....	D26/51
D636,524	S *	4/2011	Lin	.....	D26/118
D642,721	S *	8/2011	Li	.....	D26/63
D646,003	S *	9/2011	Wang	.....	D26/24
D744,685	S *	12/2015	Zhan	.....	D26/63
D747,278	S *	1/2016	Murphy	.....	D13/179
D751,751	S *	3/2016	Lockart	.....	D26/118
D755,740	S *	5/2016	Chen	.....	D13/179
D761,472	S *	7/2016	Zhu	.....	D26/63
D819,875	S *	6/2018	Yorio	.....	D26/118
D848,056	S *	5/2019	Carskadon	.....	D26/142

* cited by examiner

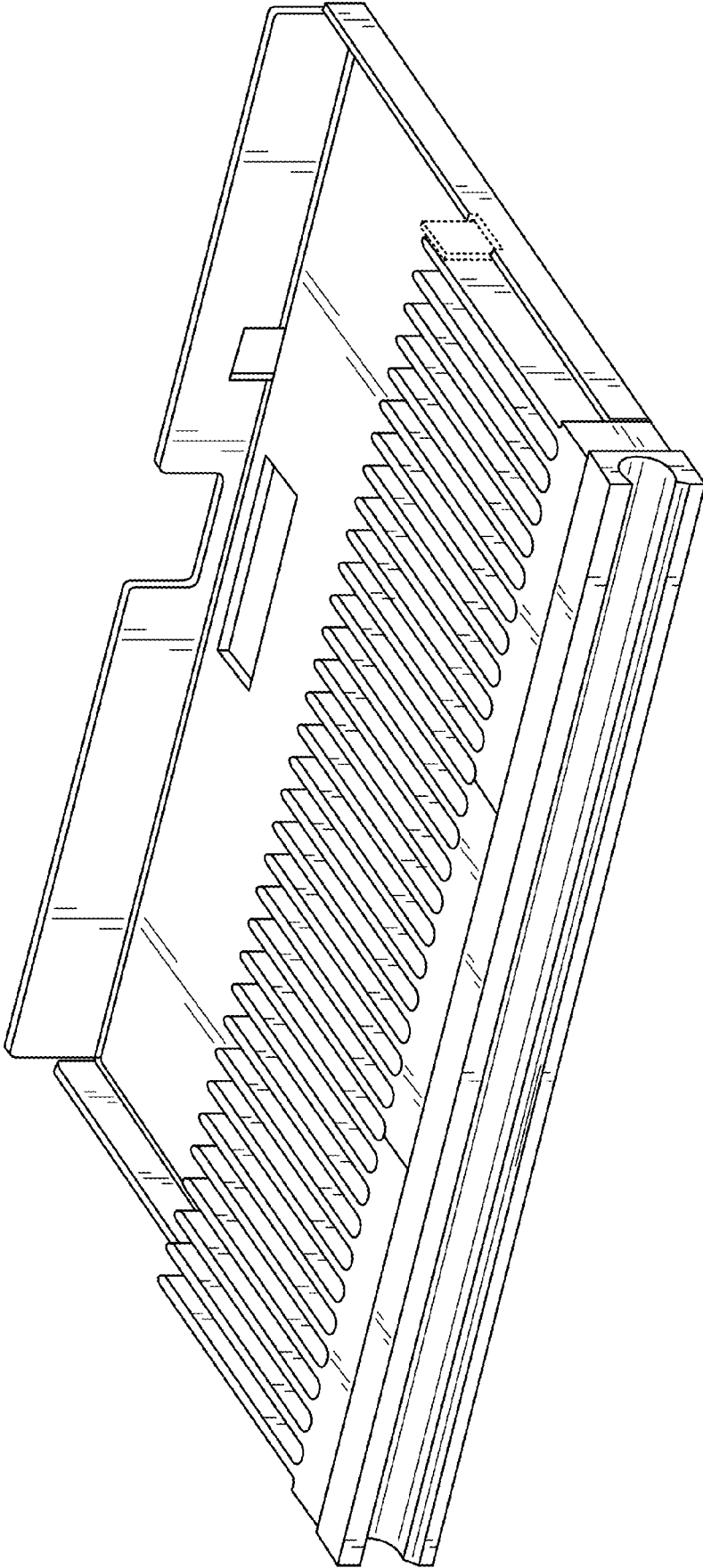


FIG. 1

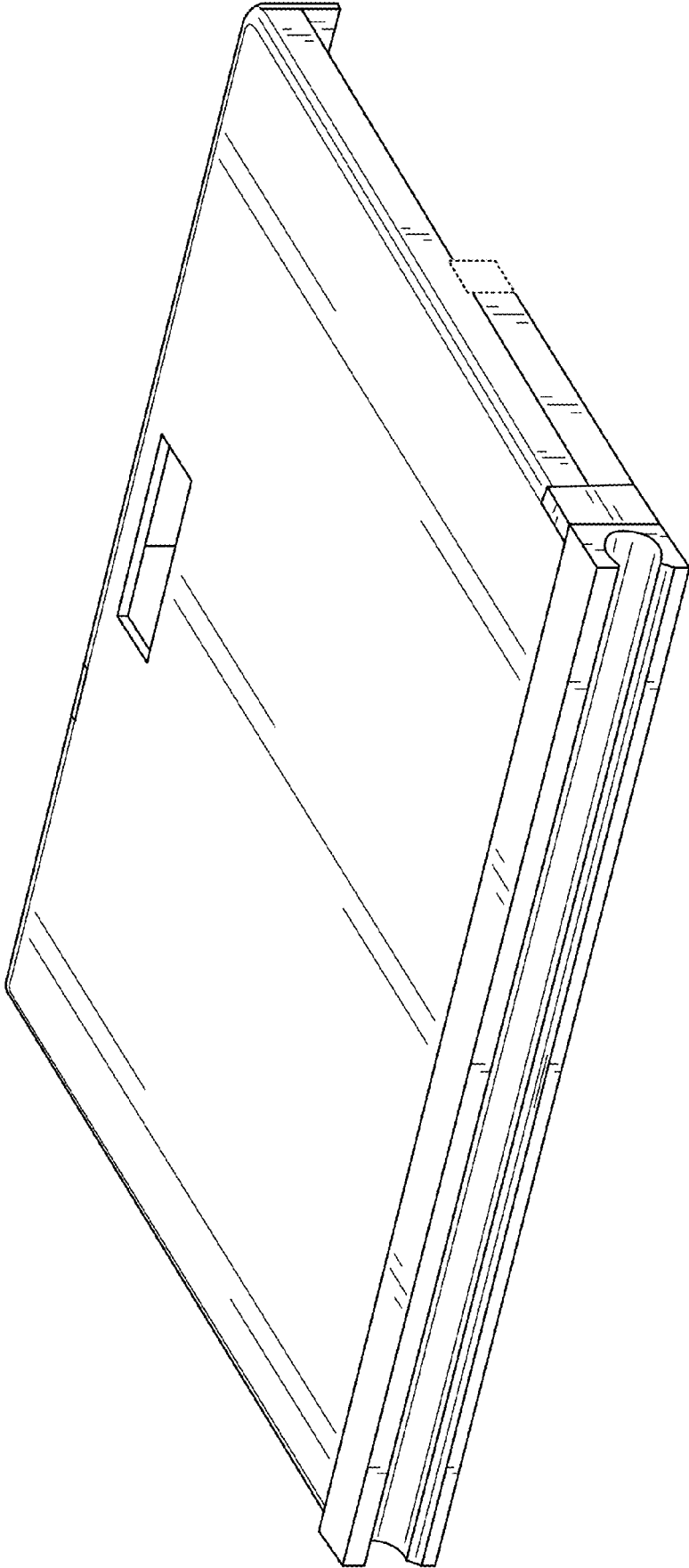


FIG. 2

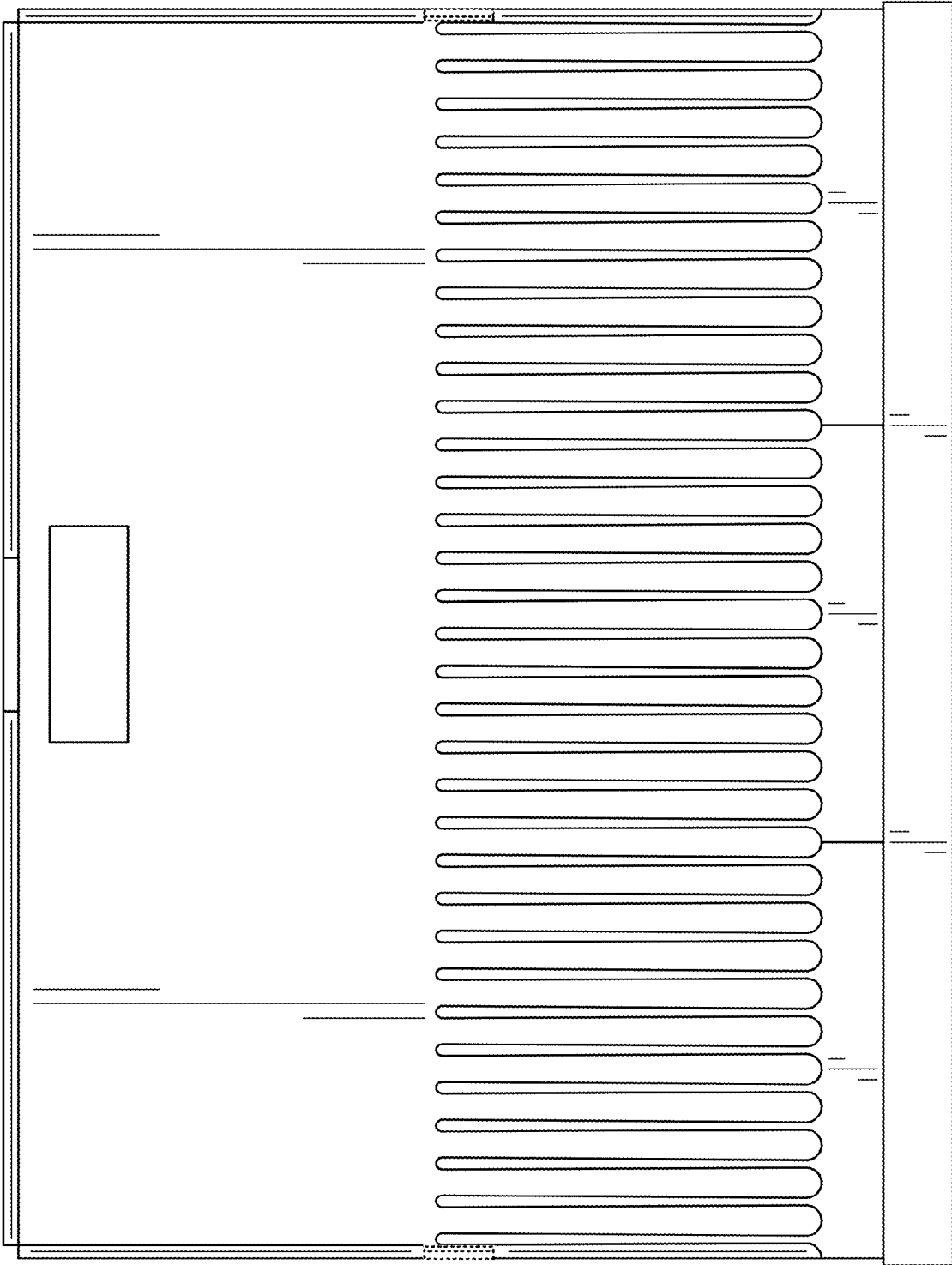


FIG. 3

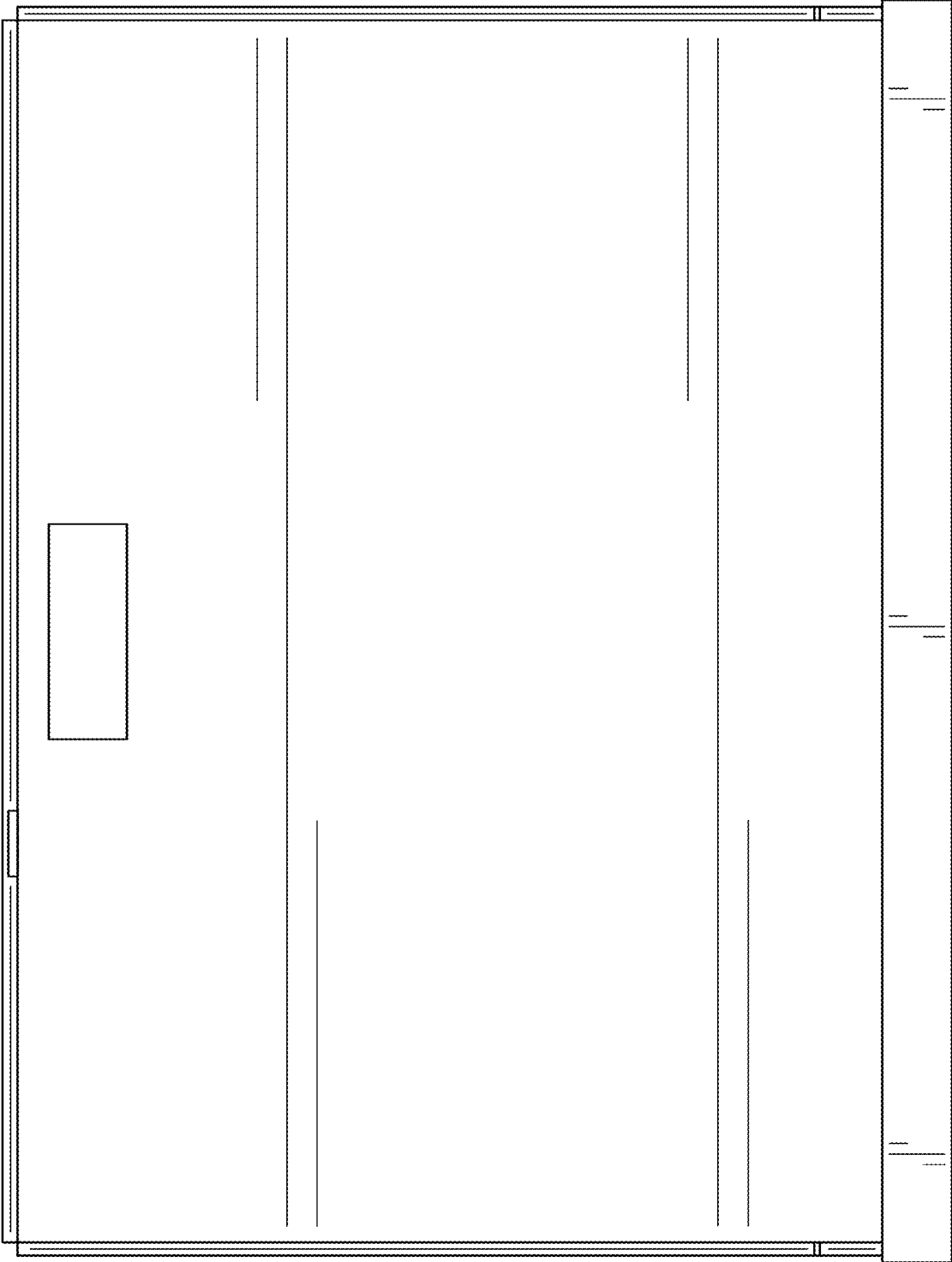


FIG. 4

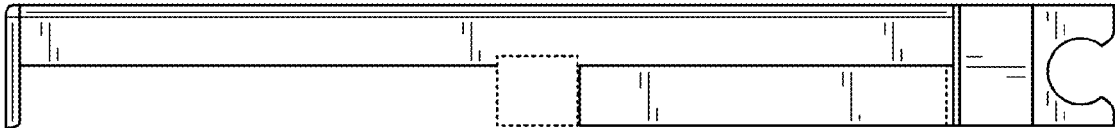


FIG. 6

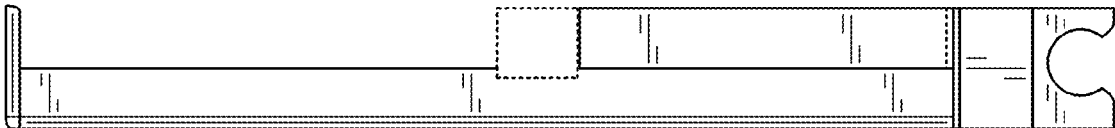


FIG. 5

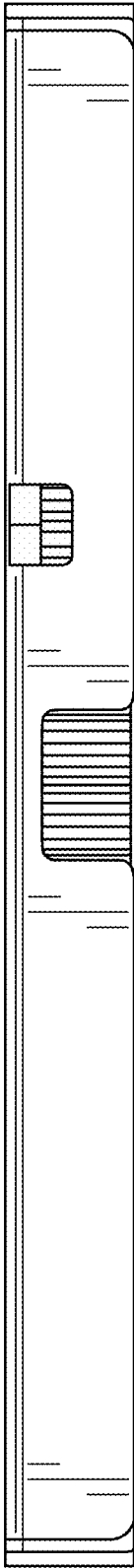


FIG. 7

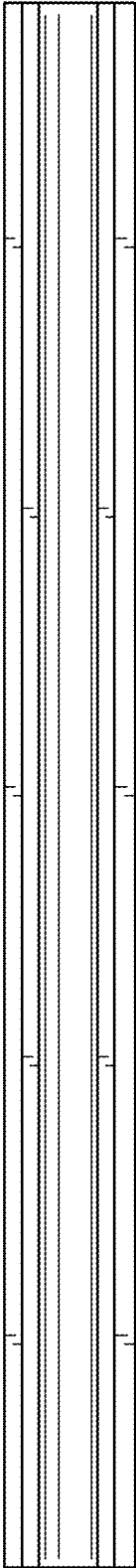


FIG. 8

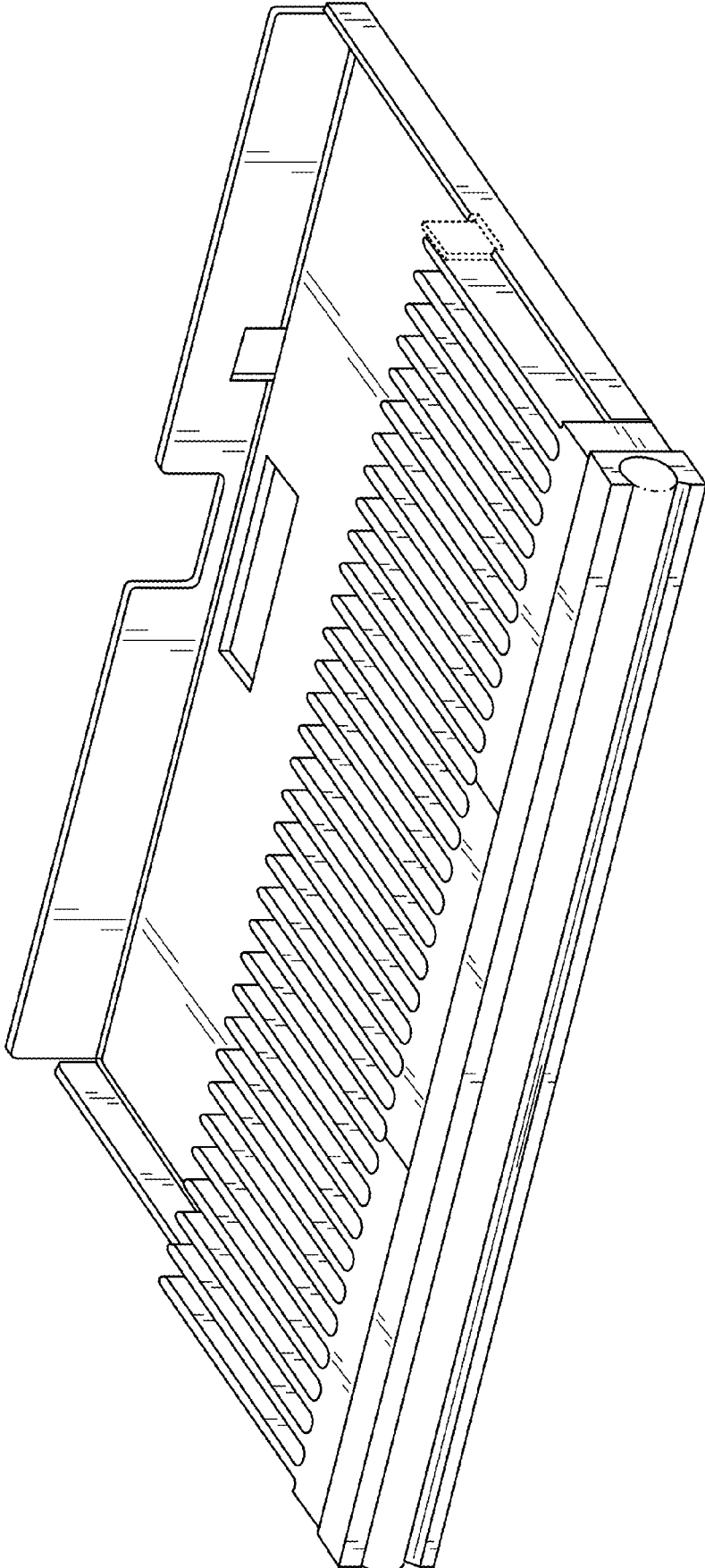


FIG. 9

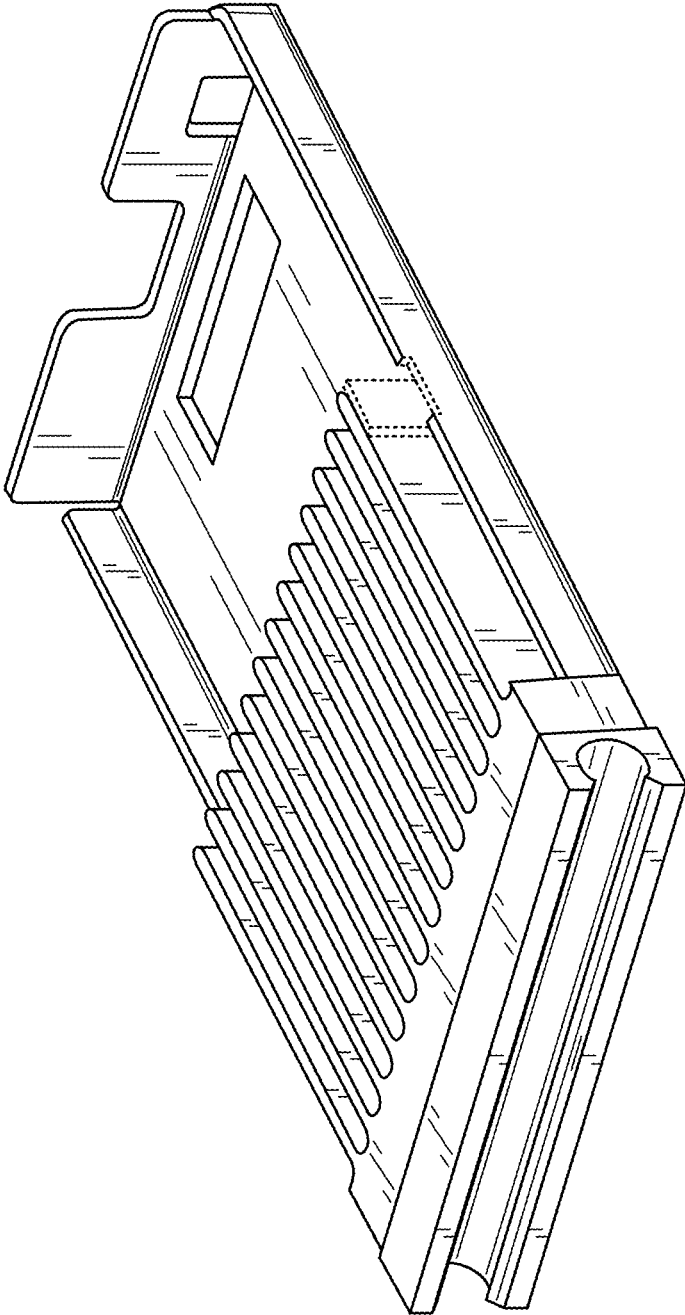


FIG. 10

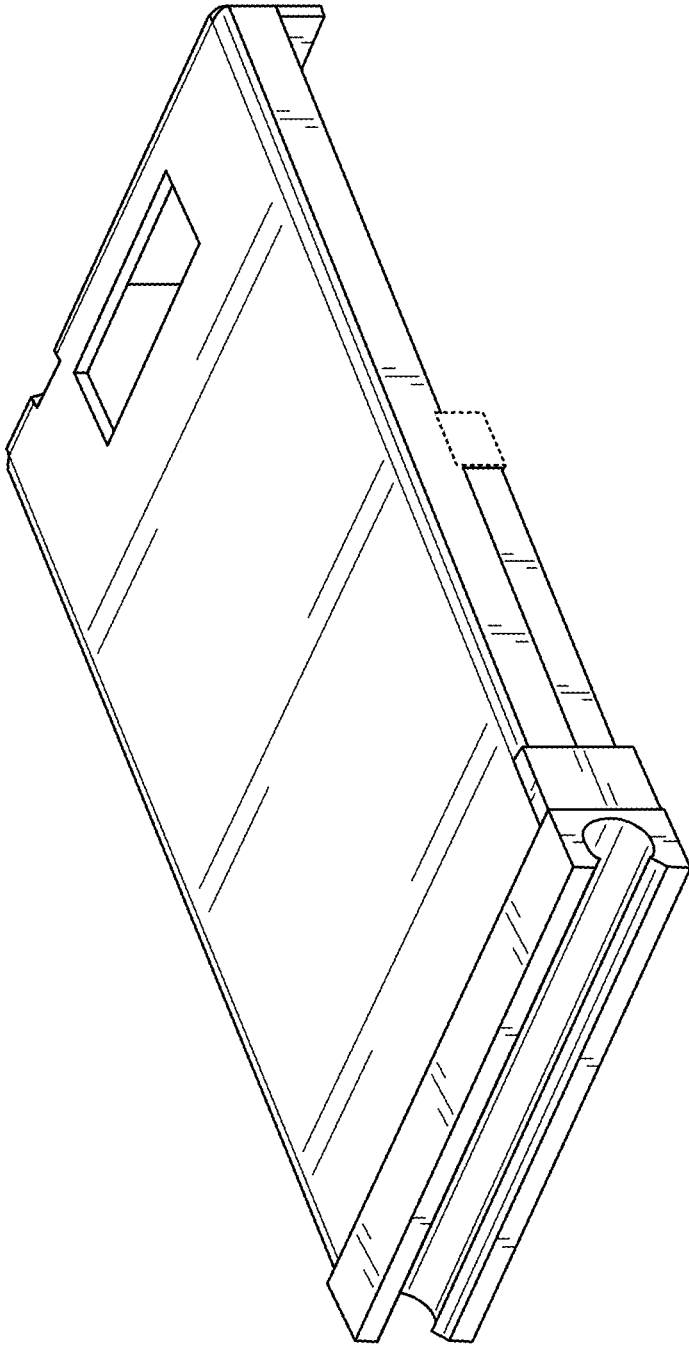


FIG. 11

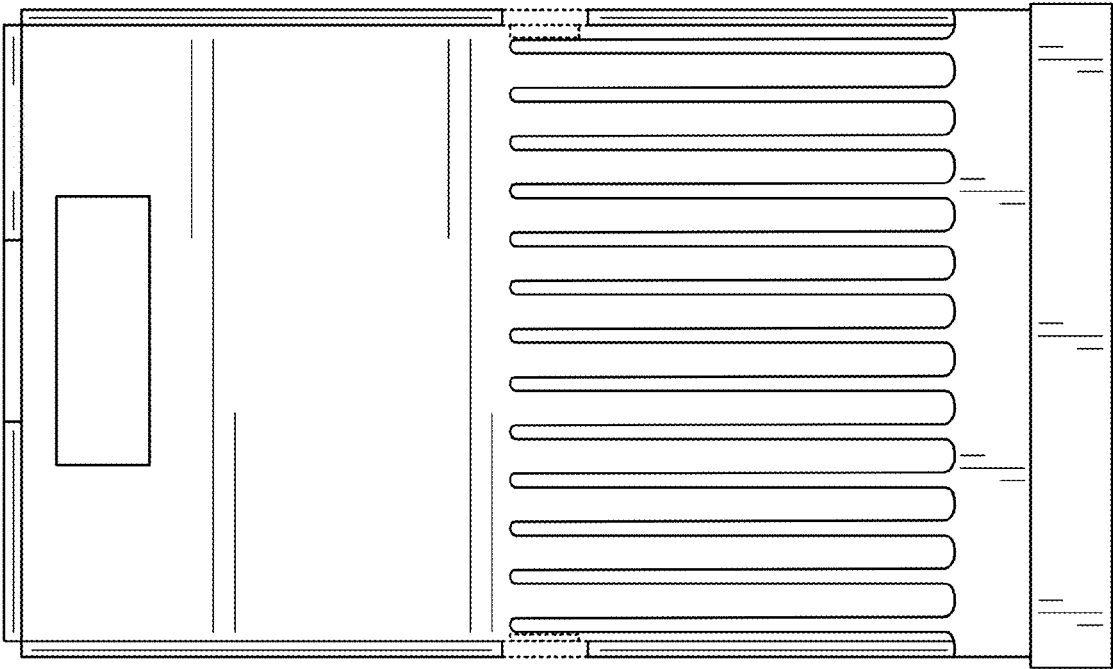


FIG. 12

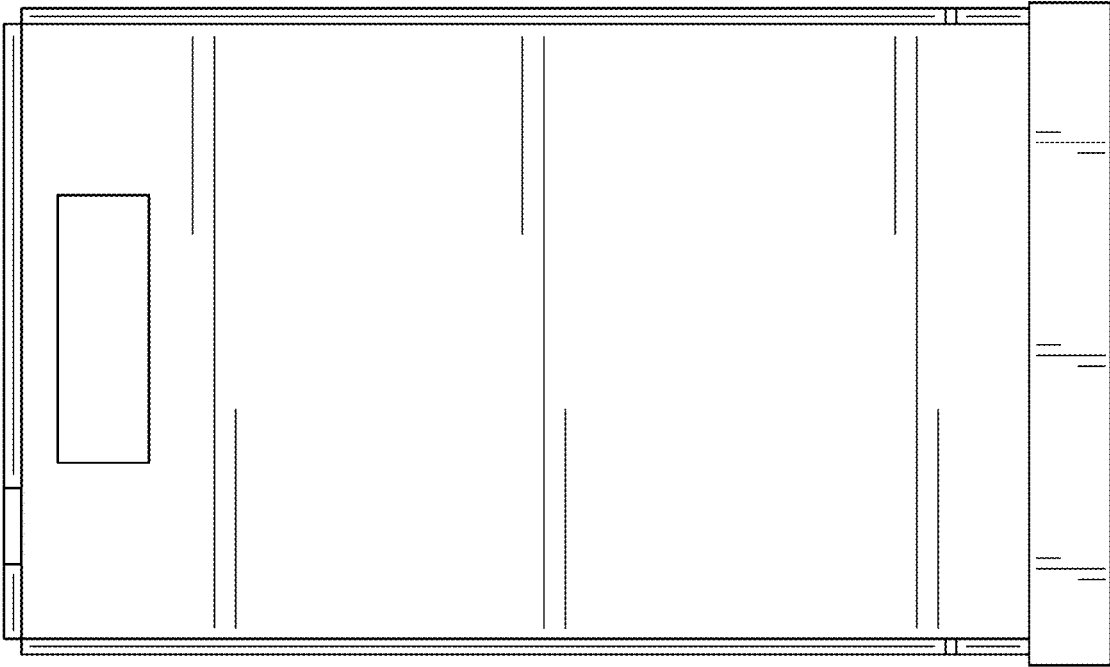


FIG. 13

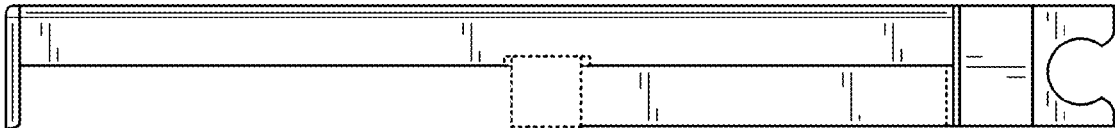


FIG. 15

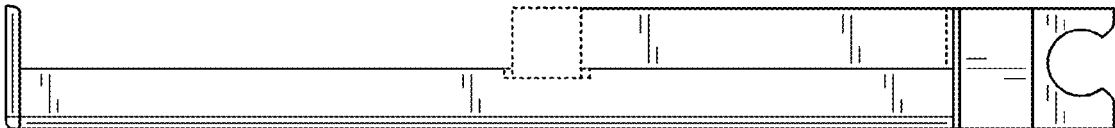


FIG. 14

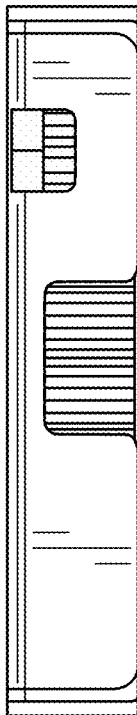


FIG. 16

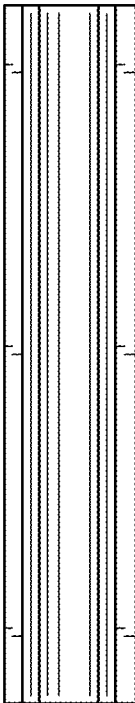


FIG. 17

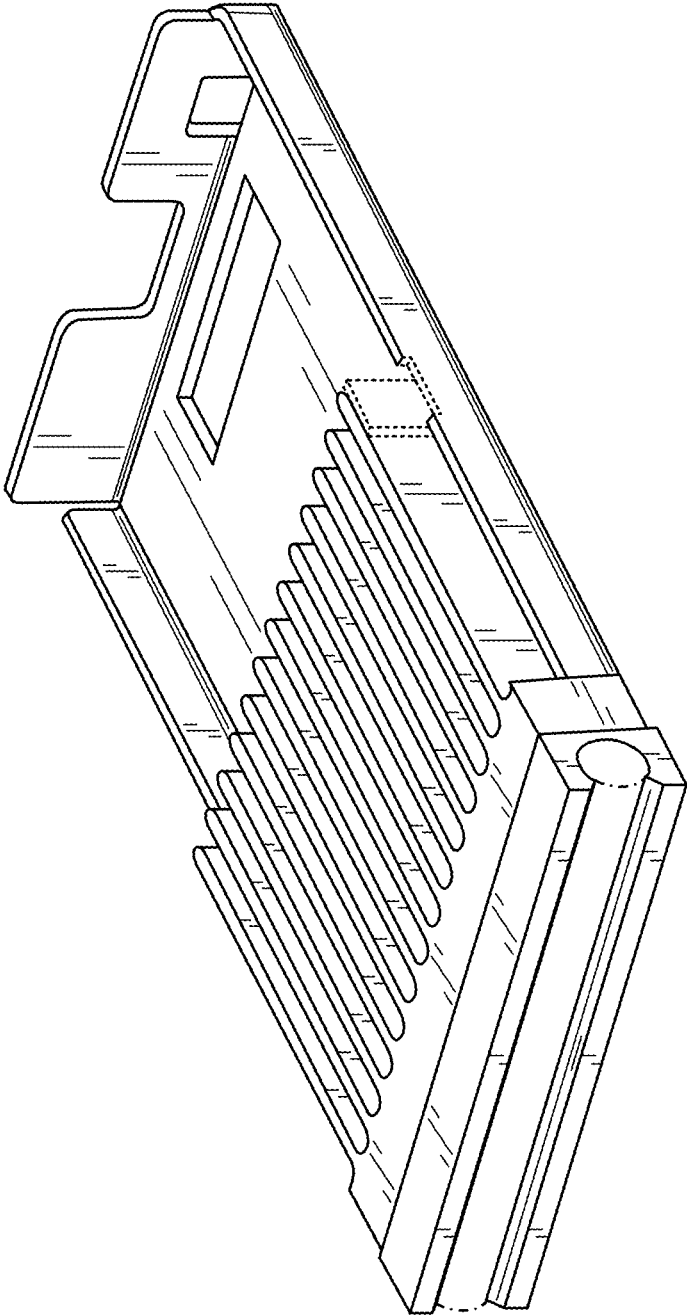


FIG. 18

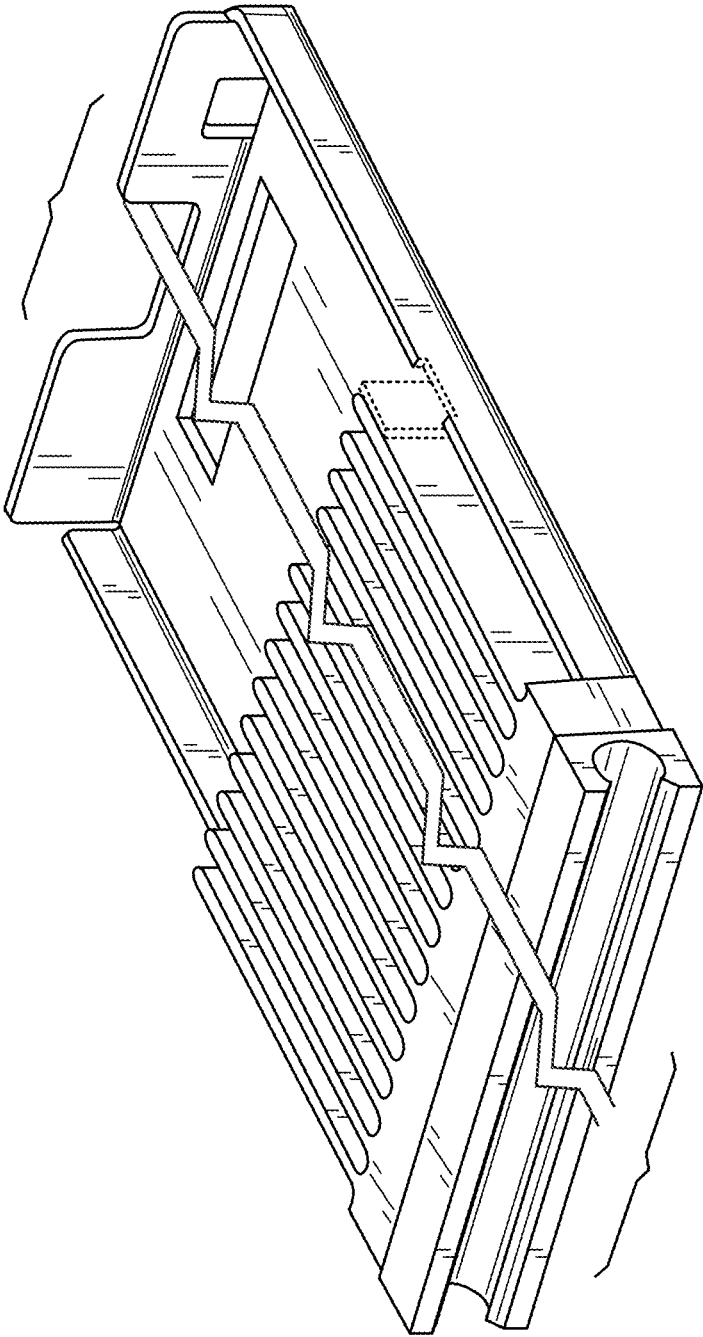


FIG. 19

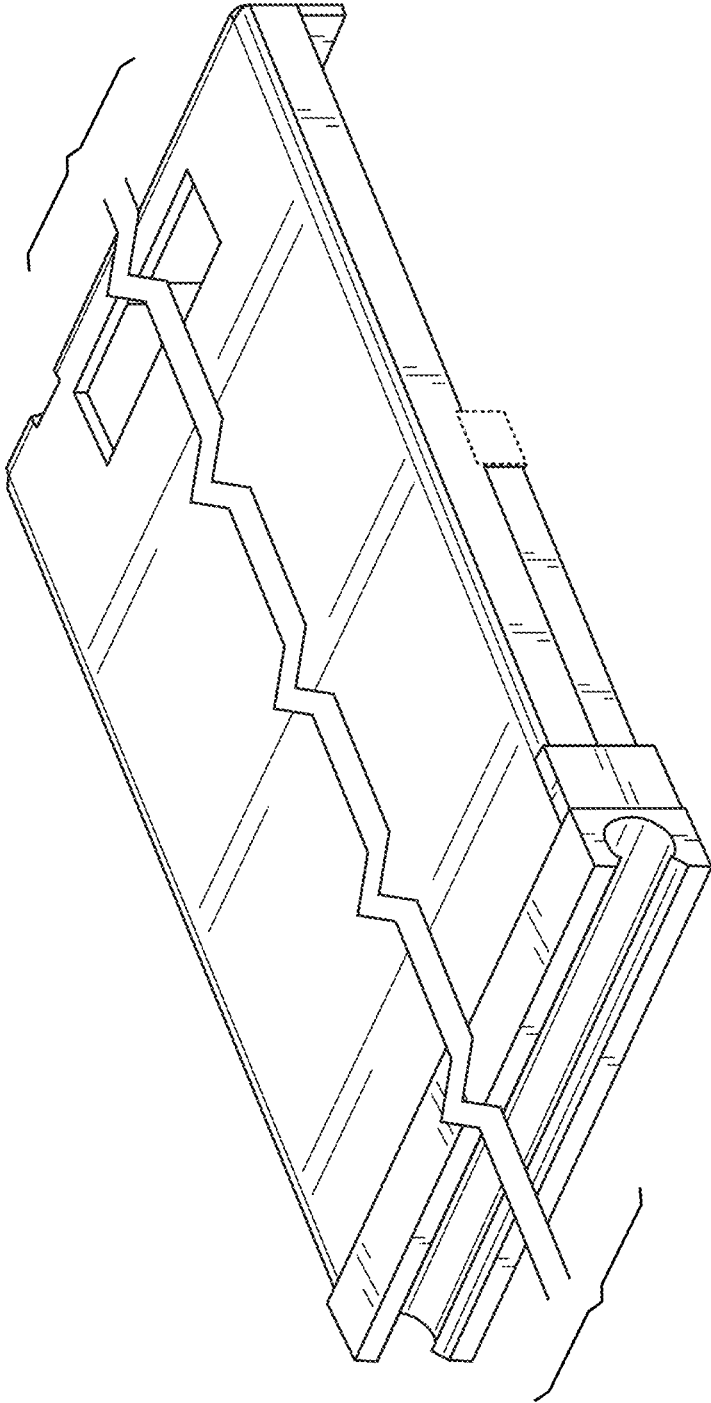


FIG. 20

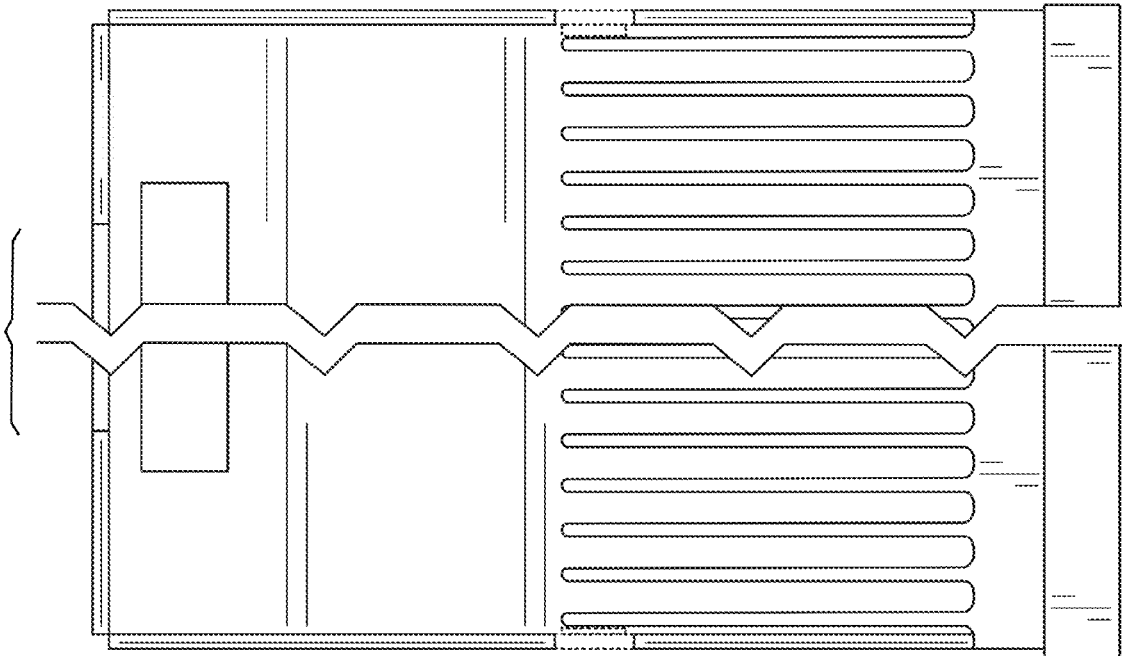


FIG. 21

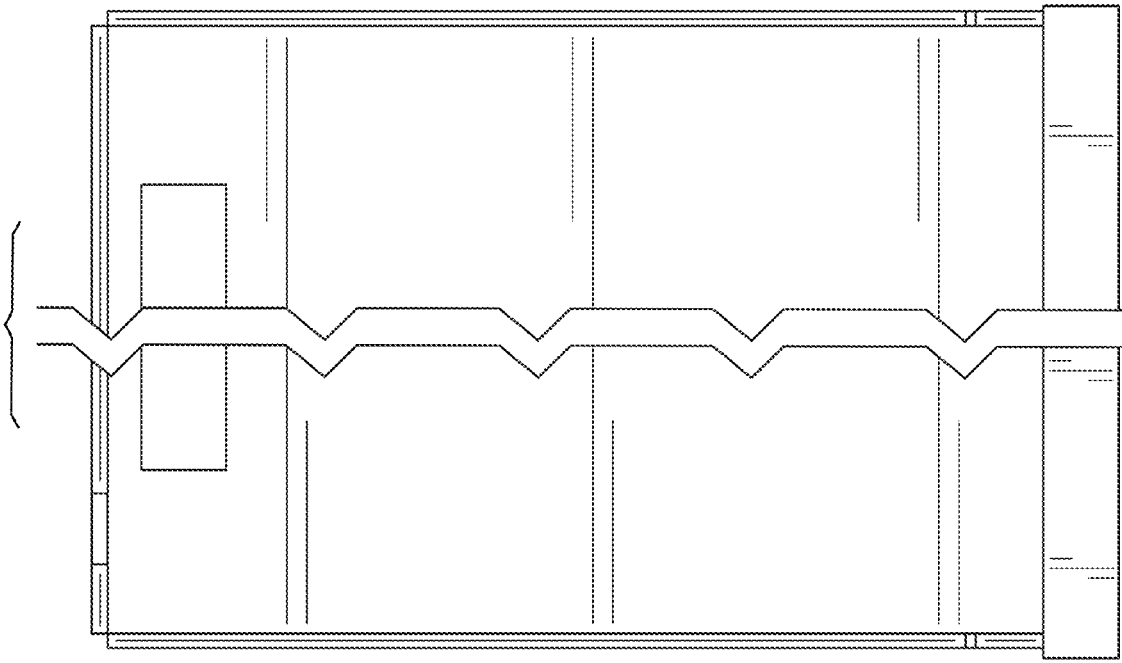


FIG. 22

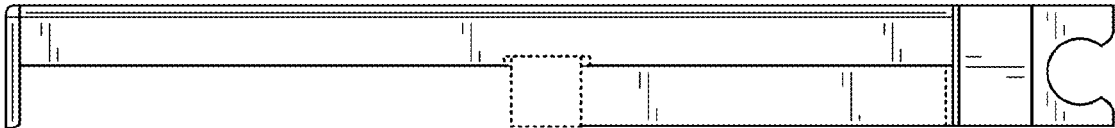


FIG. 24

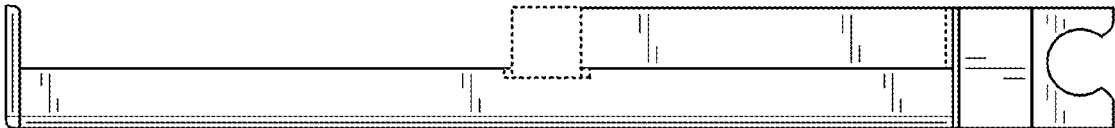


FIG. 23

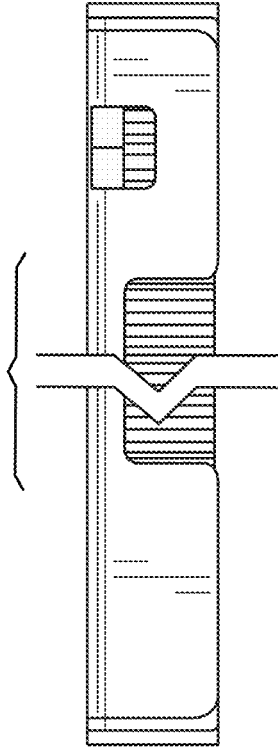


FIG. 25

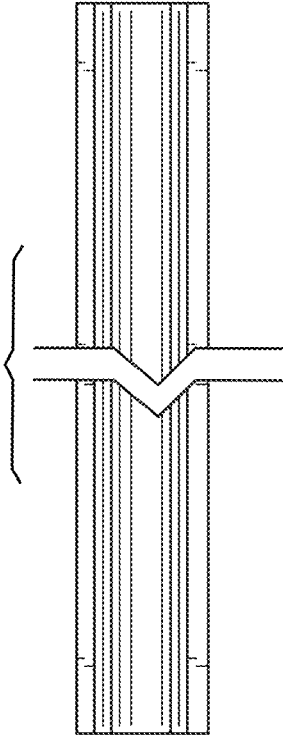


FIG. 26