US00D929946S

(12) United States Design Patent

Kim et al.

(10) Patent No.: US D929,946 S
(45) Date of Patent: ** Sep. 7, 2021

(54) **ELECTRODE ASSEMBLY**

(71) Applicant: **LiBEST INC.**, Daejeon (KR)

(72) Inventors: **Joo Seong Kim**, Daejeon (KR); **Jin Hong Ha**, Daejeon (KR)

(73) Assignee: **LiBEST INC.**, Daejeon (KR)

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

(21) Appl. No.: **29/675,662**

(22) Filed: **Jan. 4, 2019**

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

(52) **U.S. Cl.**
USPC **D13/154**

(58) **Field of Classification Search**
USPC D13/103, 118, 119, 120, 121, 147, 154, D13/173, 182, 184, 199; D14/356, 432, D14/433, 435
CPC ... H01M 10/045; H01M 10/0468; H01M 6/40
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D184,531	S *	3/1959	Nelson	D13/104
D250,528	S *	12/1978	Kaye	D13/103
5,726,859	A *	3/1998	Khadem	H01M 2/1022 257/727
6,459,048	B1 *	10/2002	Sakai	H05K 3/3442 174/260
D475,355	S *	6/2003	Hori	D13/182
D706,733	S *	6/2014	Ogura	D13/182
D711,821	S *	8/2014	Wang	D13/108
9,941,492	B2 *	4/2018	Suh	H01M 2/0275
D832,228	S *	10/2018	Chikamatsu	D13/182
2009/0023057	A1 *	1/2009	Kim	H01M 10/6557 429/120
2016/0156071	A1 *	6/2016	Yamakaji	H01M 10/48 429/61
2016/0204437	A1 *	7/2016	Tajima	H01M 10/0431 429/94
2020/0212495	A1 *	7/2020	Lee	H01M 4/72

OTHER PUBLICATIONS

"Cylindrical Vs Prismatic Cells". Found online Aug. 7, 2020 at lithiumion-batteries.com. Reference dated Jun. 10, 2017. Retrieved from https://web.archive.org/web/20170610204801/https://www.lithiumion-batteries.com/cylindrical-vs-prismatic-cells.php. (Year: 2017).*

(Continued)

Primary Examiner — Kendra Leslie Hamilton
Assistant Examiner — Amanda Christensen
(74) *Attorney, Agent, or Firm* — Hamre, Schumann, Mueller & Larson, P.C.

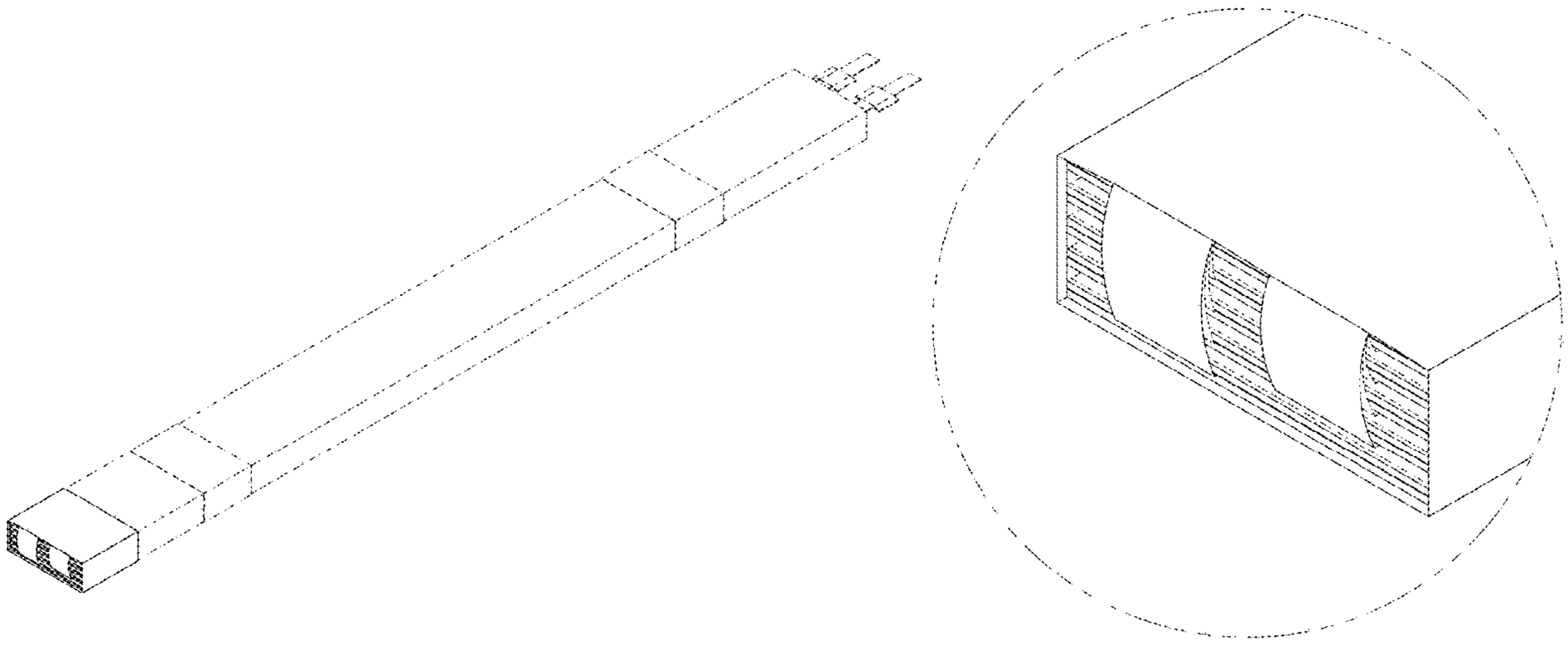
(57) **CLAIM**

The ornamental design for an electrode assembly, as shown and described.

DESCRIPTION

FIG. **1** is a top, front perspective view of an electrode assembly, showing our new design,
FIG. **2** is a top plan view thereof;
FIG. **3** is a bottom plan view thereof;
FIG. **4** is a left side elevation view thereof;
FIG. **5** is a right side elevation view thereof;
FIG. **6** is a front elevation view thereof;
FIG. **7** is the front elevation view of FIG. **6**, shown enlarged for clarity of disclosure;
FIG. **8** is a rear elevation view thereof; and,
FIG. **9** is a top, front perspective view of the electrode assembly of FIG. **1**, shown enlarged for clarity of disclosure.
The broken lines depict environmental structure and form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56) **References Cited**

OTHER PUBLICATIONS

"Electrode-Separator Stack". Found online Aug. 7, 2020 at researchgate.com. Reference dated Jul. 2014. Retrieved from https://www.researchgate.net/figure/a-Core-electrode-separator-stack-of-a-prismatic-lithium-ion-battery-with-planar_fig5_262017038. (Year: 2014).*
"Polymer Li-Ion Cell". Found online Aug. 7, 2020 at batteryspace.com. Reference dated Jun. 1, 2012. Retrieved from https://www.batteryspace.com/polymer-li-ion-cell-3-7v-21ah-1055275-2c-77-7wh-42a-rate-un38-3-passed-dgr.aspx. (Year: 2012).*
"Libest Battery". Found online Aug. 6, 2020 at facebook.com. Reference dated Nov. 26, 2017. Retrieved from https://www.facebook.com/LiBEST.Inc/photos/a.1492852734117784/1492852594117798/?type=3&theater. (Year: 2017).*

* cited by examiner

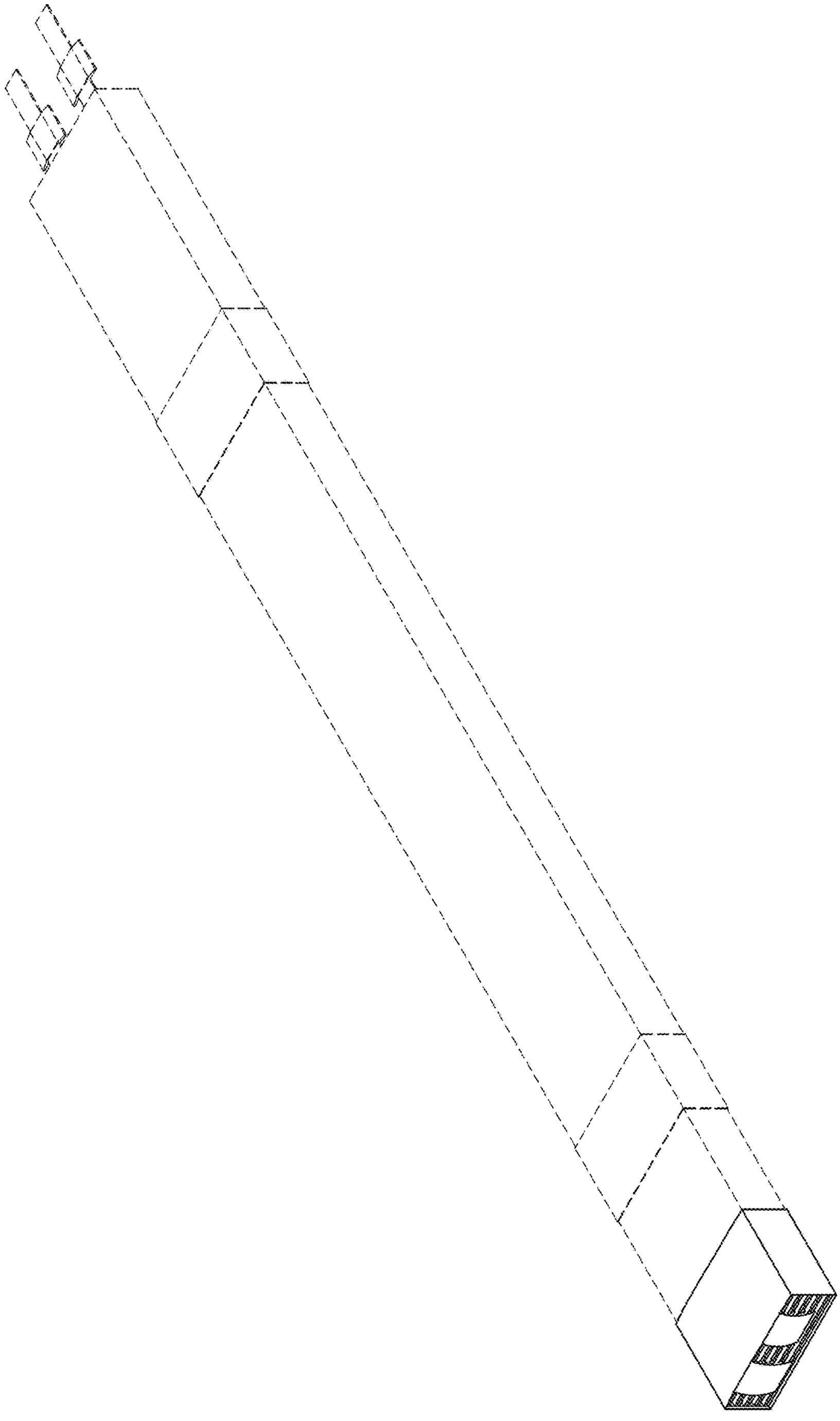


FIG. 1

FIG. 2

FIG. 3

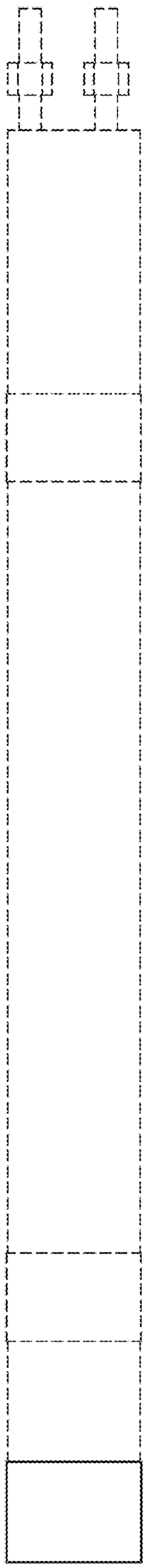


FIG. 4

FIG. 5

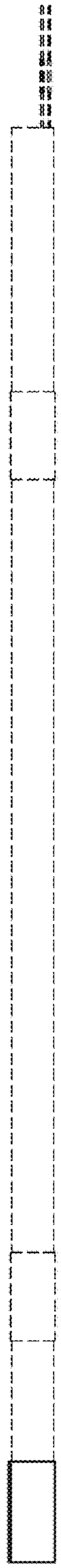


FIG. 6

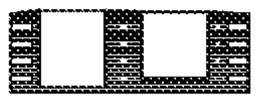


FIG. 7

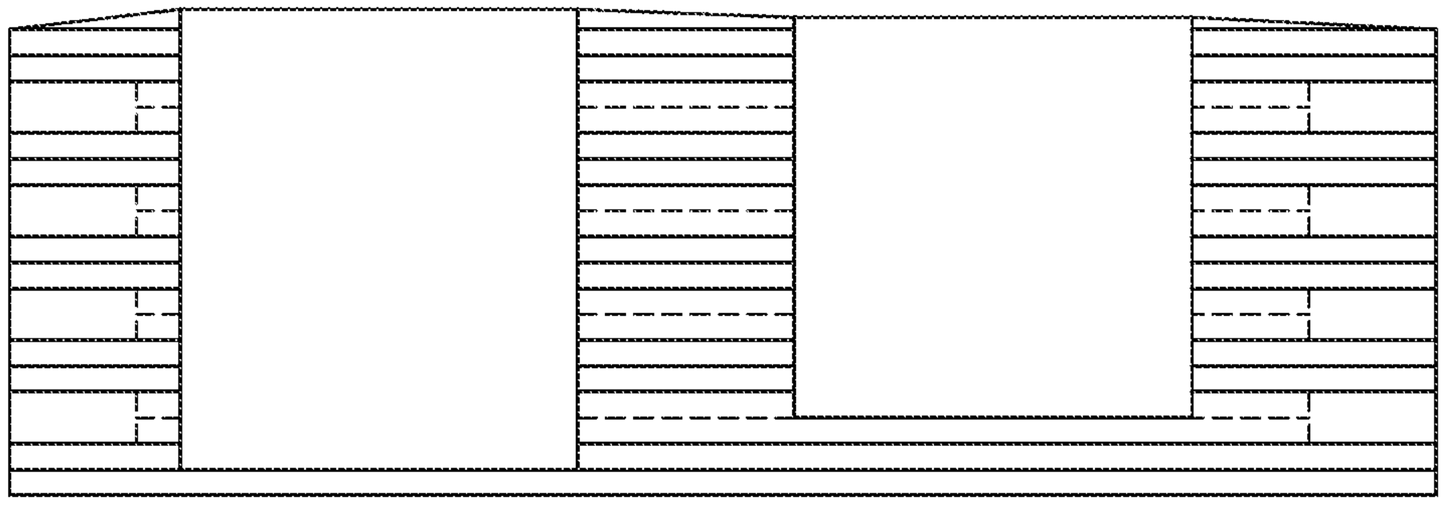


FIG. 8

FIG. 9