US00D891362S

(12) United States Design Patent

Milroy et al.

(10) Patent No.: US D891,362 S
(45) Date of Patent: ** Jul. 28, 2020

(54) **BATTERY PACK**

(71) Applicant: **Pure Watercraft, Inc.**, Seattle, WA (US)

(72) Inventors: **David Milroy**, Kirkland, WA (US); **Joe Sullivan**, Seattle, WA (US)

(73) Assignee: **Pure Watercraft, Inc.**, Seattle, WA (US)

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

(21) Appl. No.: **29/625,869**

(22) Filed: **Nov. 13, 2017**

(51) **LOC (12) Cl.** **13-02**

(52) **U.S. Cl.**
USPC **D13/103**

(58) **Field of Classification Search**
USPC D13/103, 107, 108, 110, 123, 133, D13/137.1–137.4, 138.1–138.2, D13/139.1–139.8, 152, 154, 184, 118, D13/119, 199
CPC H01R 25/00; H01R 25/006; H01R 13/00; H01R 13/04; H01R 13/10; H01R 13/6666; H01R 13/6675; H01R 13/62; H01R 13/66; H01R 9/00; H01R 11/00; H01H 2207/00; H01H 2207/022; H01H 2203/00; H02J 7/00; H02J 7/0003; H02J 7/0011; H02J 7/0013; H02J 7/0054; H02J 7/0055; H02J 7/0057; H01M 2/02; H01M 2/022; H01M 2/0202; H01M 2/0207; H01M 2/0212; H01M 2220/10; H01M 2220/20; Y02E 60/12; Y02E 60/122; Y02E 60/124; Y02E 60/50; H02G 3/285; Y02T 90/14; Y02T 90/122; Y02T 90/128; Y02T 90/163
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,841,396 A 10/1974 Knaebel et al.
4,009,677 A 3/1977 Croisant et al.
4,092,946 A 6/1978 Kappas
(Continued)

FOREIGN PATENT DOCUMENTS

CN 101399363 4/2009
CN 102069715 5/2011
(Continued)

OTHER PUBLICATIONS

Maritimepropulsion.com: Pure Watercraft Unveils Battery Pack. Published Dec. 13, 2018. Retrieved from the internet at <https://www.maritimepropulsion.com/news/pure-watercraft-unveils-battery-560733>, Aug. 16, 2019. 1 page. (Year: 2018).*
(Continued)

Primary Examiner — Rosemary K Tarcza
Assistant Examiner — Christy M Nemeth
(74) *Attorney, Agent, or Firm* — Perkins Coie LLP

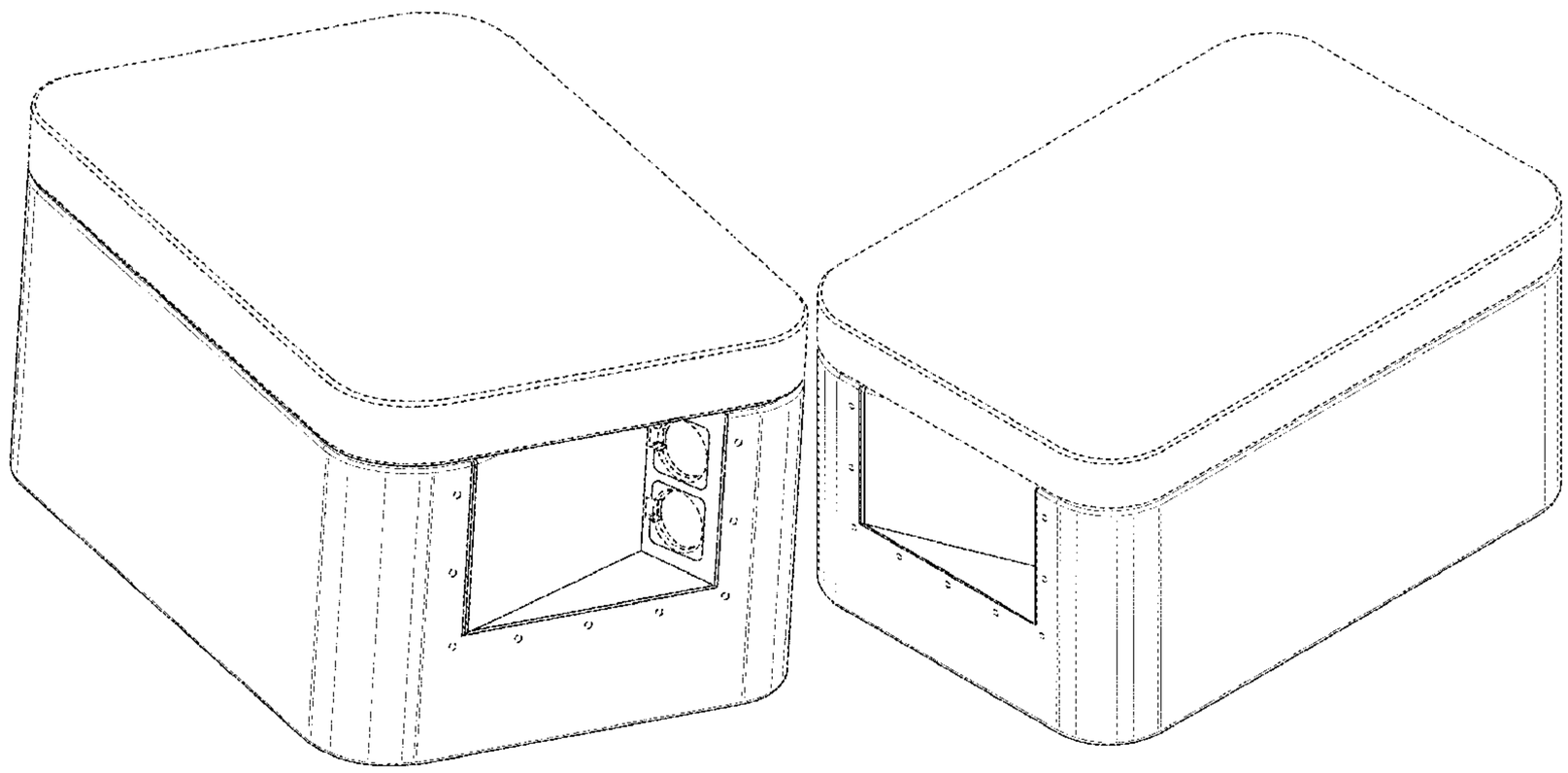
(57) **CLAIM**

The ornamental design for a battery pack, as shown and described.

DESCRIPTION

FIG. **1** is a front isometric views of a battery pack of our new design.
FIG. **2** is a rear isometric view thereof.
FIG. **3** is a front elevation view thereof.
FIG. **4** is a rear elevation view thereof.
FIG. **5** is a right side elevation view thereof.
FIG. **6** is a left side elevation view thereof.
FIG. **7** is a top plan view thereof.
FIG. **8** is a bottom plan view thereof; and,
FIG. **9** is a sectional view taken along line **9-9** of FIG. **4**.
The broken lines in the drawings are for the purpose of illustrating portions of the battery pack that form no part of the claimed design.

1 Claim, 9 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

4,099,478	A		7/1978	Alexander, Jr.
4,305,012	A		12/1981	Friedel
4,568,289	A		2/1986	Heidrich et al.
D298,029	S	*	10/1988	Foster D13/104
5,296,797	A		3/1994	Bartlett
5,385,476	A		1/1995	Jasper
5,445,545	A		8/1995	Draper
5,571,023	A		11/1996	Anthony
5,580,266	A		12/1996	Shelly et al.
5,588,853	A		12/1996	Anthony
5,596,258	A		1/1997	Kimura et al.
D378,292	S		3/1997	Yoshioka
5,626,486	A		5/1997	Shelly et al.
D390,834	S	*	2/1998	Dizon D13/184
D402,275	S	*	12/1998	Korhonen D13/184
5,967,863	A		10/1999	Marchant
D430,115	S	*	8/2000	Cole D13/184
D437,586	S	*	2/2001	Sonntag D13/184
6,203,355	B1		3/2001	Neblett et al.
6,224,428	B1		5/2001	Chen et al.
6,231,407	B1		5/2001	Hein et al.
6,865,280	B2		3/2005	Lin
D523,812	S		6/2006	Brodin
7,270,074	B2		9/2007	Pradetto et al.
D606,033	S	*	12/2009	Sonntag D13/184
7,641,499	B1		1/2010	George et al.
D624,878	S	*	10/2010	Uneo D13/119
D649,938	S		12/2011	Erickson et al.
D649,939	S		12/2011	Erickson et al.
8,277,965	B2		10/2012	Hermann et al.
8,445,126	B2		5/2013	Hermann
8,658,299	B2		2/2014	Yang et al.
D772,185	S	*	11/2016	Moninski D13/184
9,490,507	B2		11/2016	Bandhauer et al.
D778,853	S	*	2/2017	Skowranek D13/184
D784,258	S	*	4/2017	Vienna D13/108
D785,567	S	*	5/2017	Abena D13/119
D793,977	S	*	8/2017	Chung D13/184
D795,215	S	*	8/2017	Huang D13/184
D830,965	S	*	10/2018	Varatharajah D13/103
D836,546	S	*	12/2018	Kang D13/108
D840,934	S		2/2019	Marchesi
D842,243	S	*	3/2019	Qiu D13/108
D845,894	S	*	4/2019	Clark D13/108
D851,614	S	*	6/2019	Ji D13/184
2004/0130292	A1		7/2004	Buchanan et al.
2005/0275372	A1		12/2005	Crowell
2008/0268333	A1		10/2008	Barrella et al.
2010/0248562	A1		9/2010	Daikoku
2010/0291418	A1		11/2010	Zhou et al.
2011/0260684	A1		10/2011	Xiaofeng et al.
2011/0263165	A1		10/2011	Rolla
2011/0291611	A1		12/2011	Manor
2011/0293973	A1		12/2011	Kim
2011/0300424	A1		12/2011	Kim
2012/0074901	A1		3/2012	Mohammed
2012/0153899	A1		6/2012	Marschalkowski et al.
2012/0171900	A1		7/2012	Seabald et al.
2012/0214042	A1		8/2012	Wiegert
2012/0282497	A1		11/2012	Yang et al.
2012/0282825	A1		11/2012	Lin
2013/0049677	A1		2/2013	Bouman
2013/0078839	A1		3/2013	Musk et al.
2013/0229072	A1		9/2013	Matsuda
2014/0187107	A1		7/2014	Gemin et al.
2014/0273571	A1		9/2014	Iyer et al.
2014/0377990	A1		12/2014	Sailer et al.
2015/0017841	A1		1/2015	Chen
2015/0077040	A1		3/2015	Longdon et al.
2015/0130421	A1		5/2015	Bevilacqua, III
2015/0325961	A1		11/2015	Blakborn
2015/0340806	A1		11/2015	Ilkhanov et al.
2015/0357692	A1		12/2015	Piggott et al.
2015/0372279	A1		12/2015	Li
2016/0043411	A1		2/2016	Shirvanian et al.
2016/0111831	A1		4/2016	Kawai et al.
2016/0114692	A1		4/2016	Tripathi et al.
2016/0126679	A1		5/2016	Kim
2016/0248192	A1		8/2016	Hamada
2016/0322616	A1		11/2016	Chatroux et al.
2016/0359210	A1		12/2016	Hasegawa
2017/0279210	A1		9/2017	Kraemer et al.
2018/0019535	A1		1/2018	Uenosono et al.
2018/0029681	A1		2/2018	Gil
2018/0048091	A1		2/2018	Kawai et al.
2019/0148700	A1		5/2019	Milroy

FOREIGN PATENT DOCUMENTS

CN	207624834		7/2018
DE	102013218674		3/2015
DE	102013017168	B4	7/2017
EP	2372828		10/2011
JP	2005162055		6/2005
JP	2016-006780		1/2016
KR	102012013688		12/2012
WO	WO-2014021841		2/2014
WO	WO-2018023050		2/2018

OTHER PUBLICATIONS

"Compound Planetary Gear," Planetary Gear Train with; Stepped Planet Gear Set—MATLAB, http://www.mathworks.com, accessed Aug. 25, 2017, 3 pages.

Nitrofreeze "Shrink Fitting," https://web.archive.org/web/20160724183319/http://nitrofreeze.com/services/custom-cryogenic-processing/shrink-fitting/, Jul. 24, 2016, 3 pages.

* cited by examiner

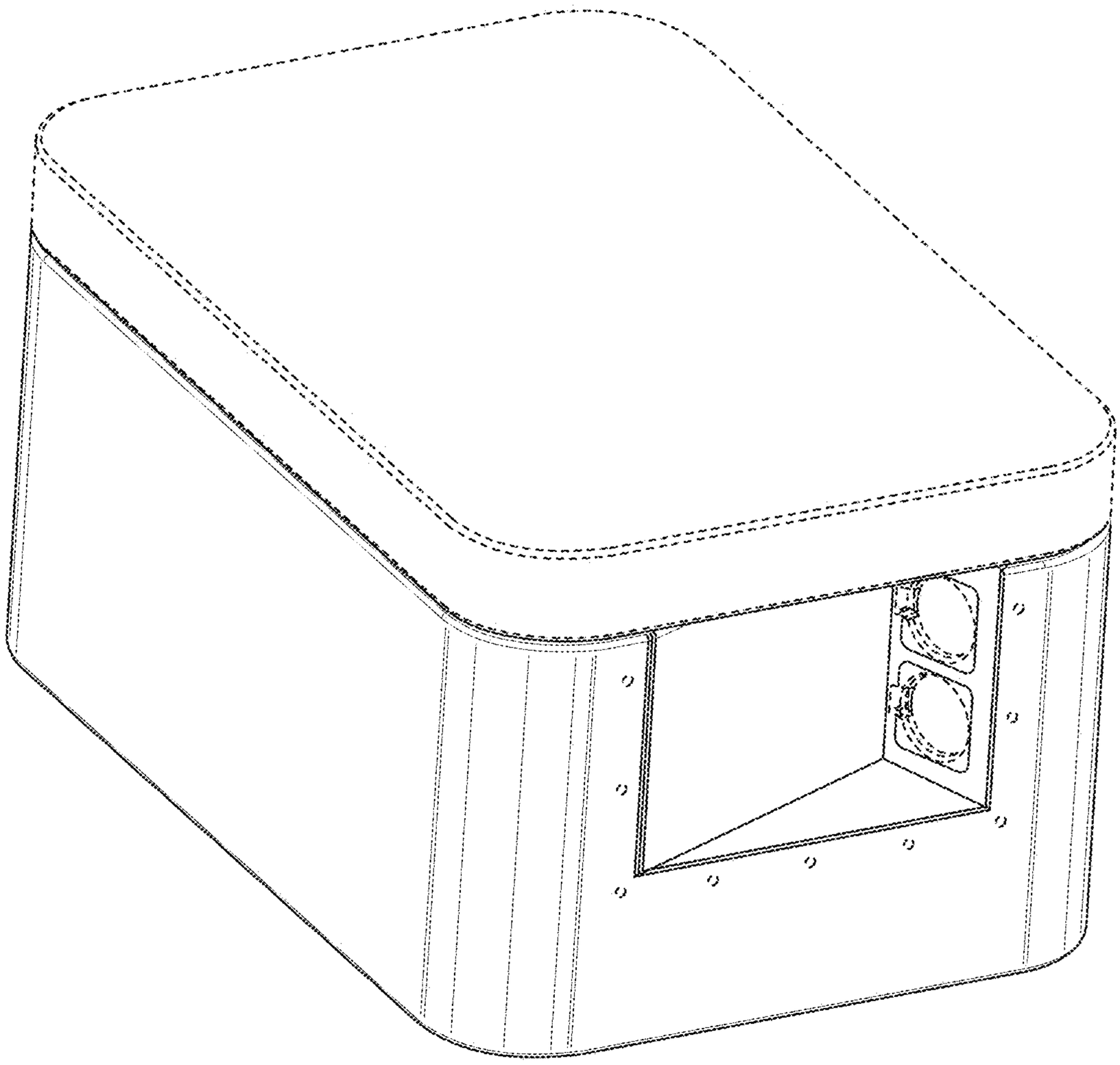


FIG. 1

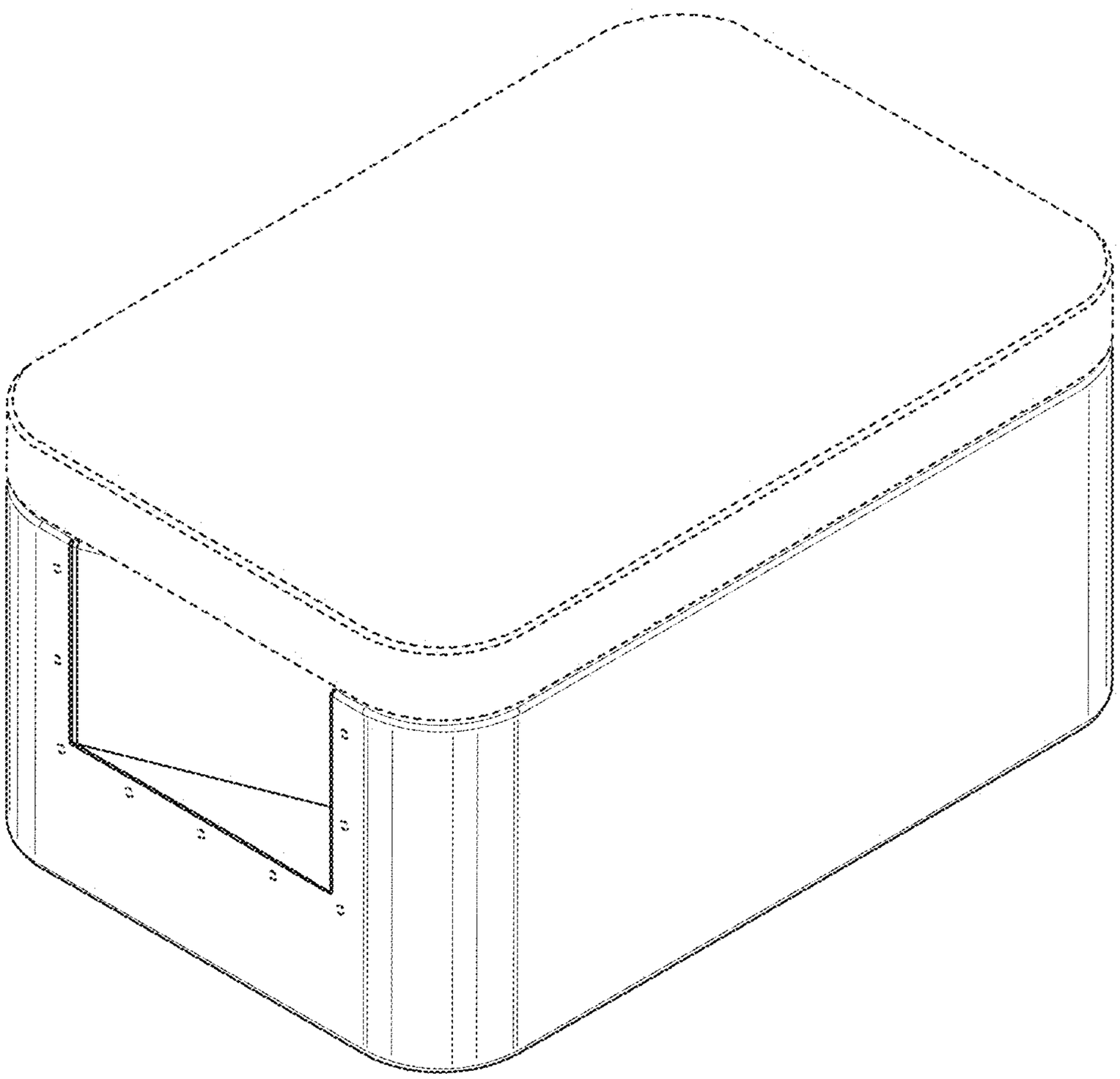


FIG. 2

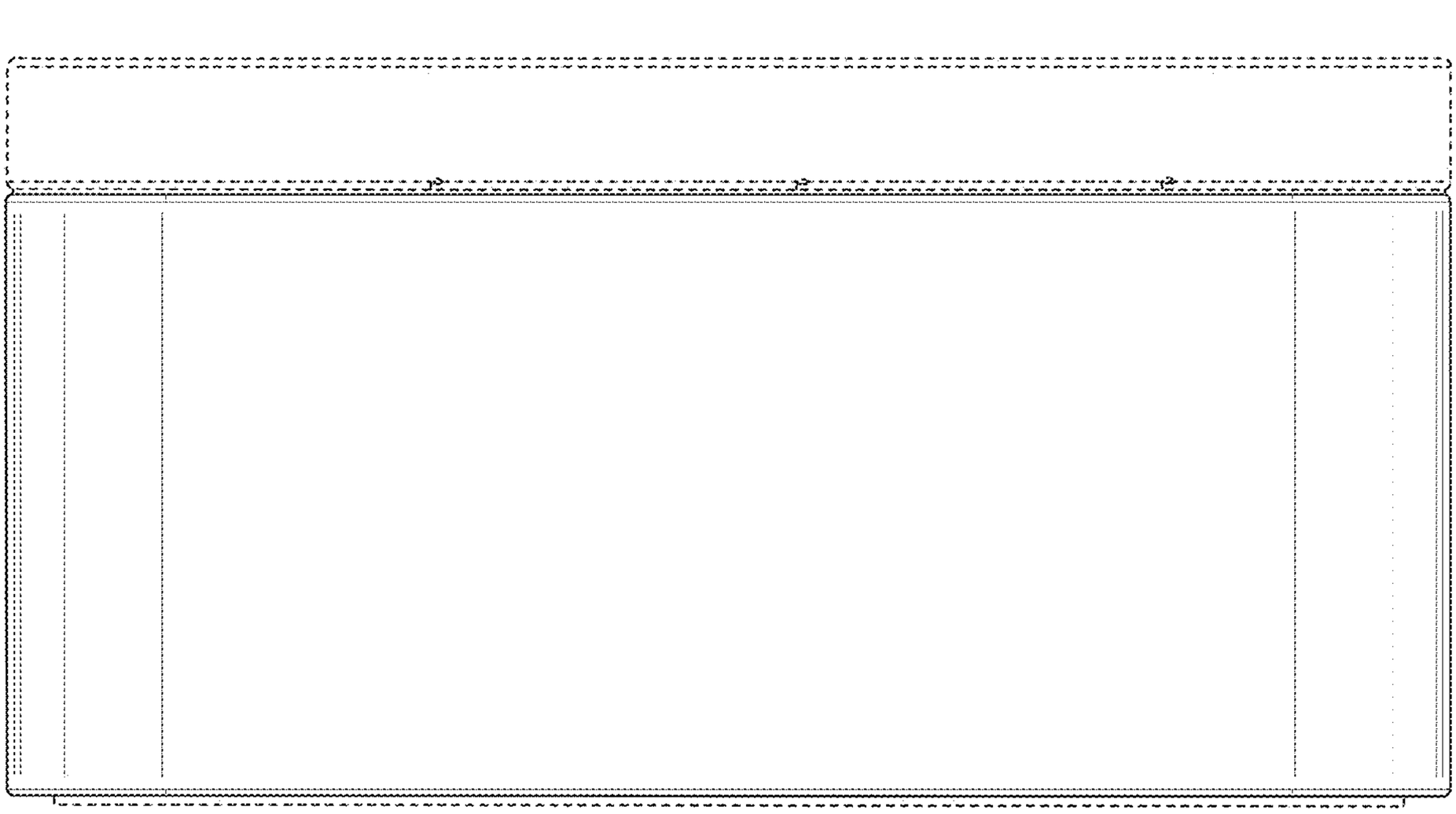


FIG. 3

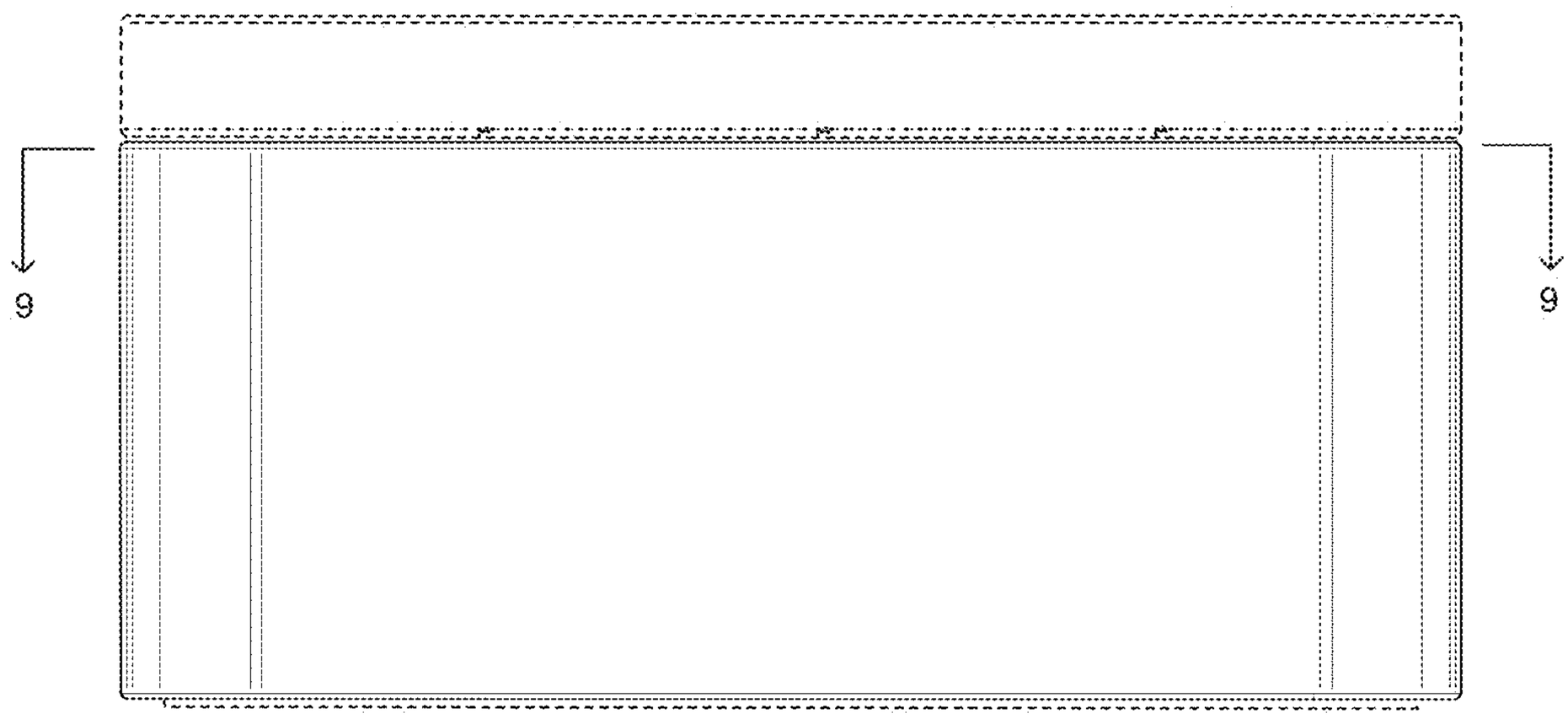


FIG. 4

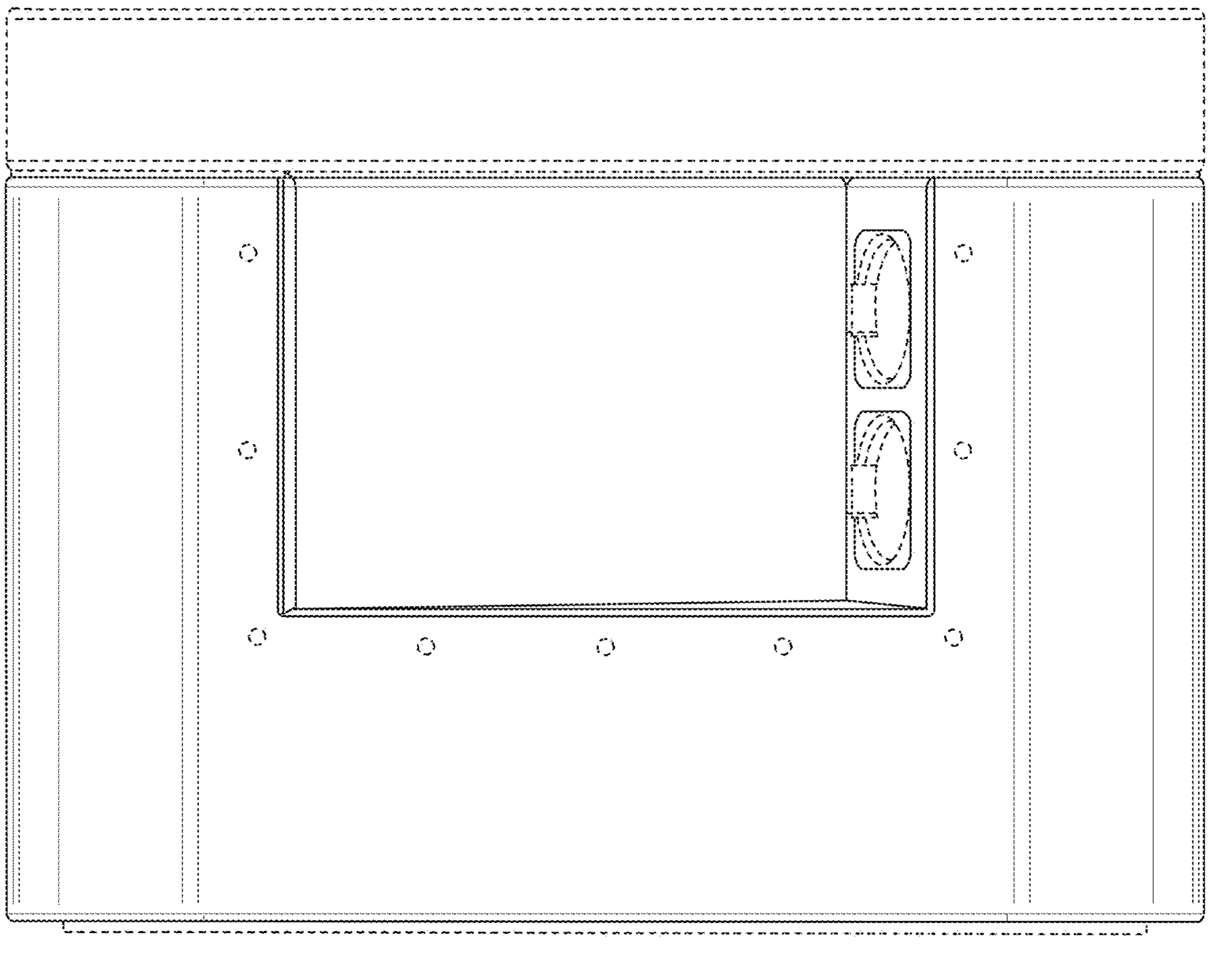


FIG. 5

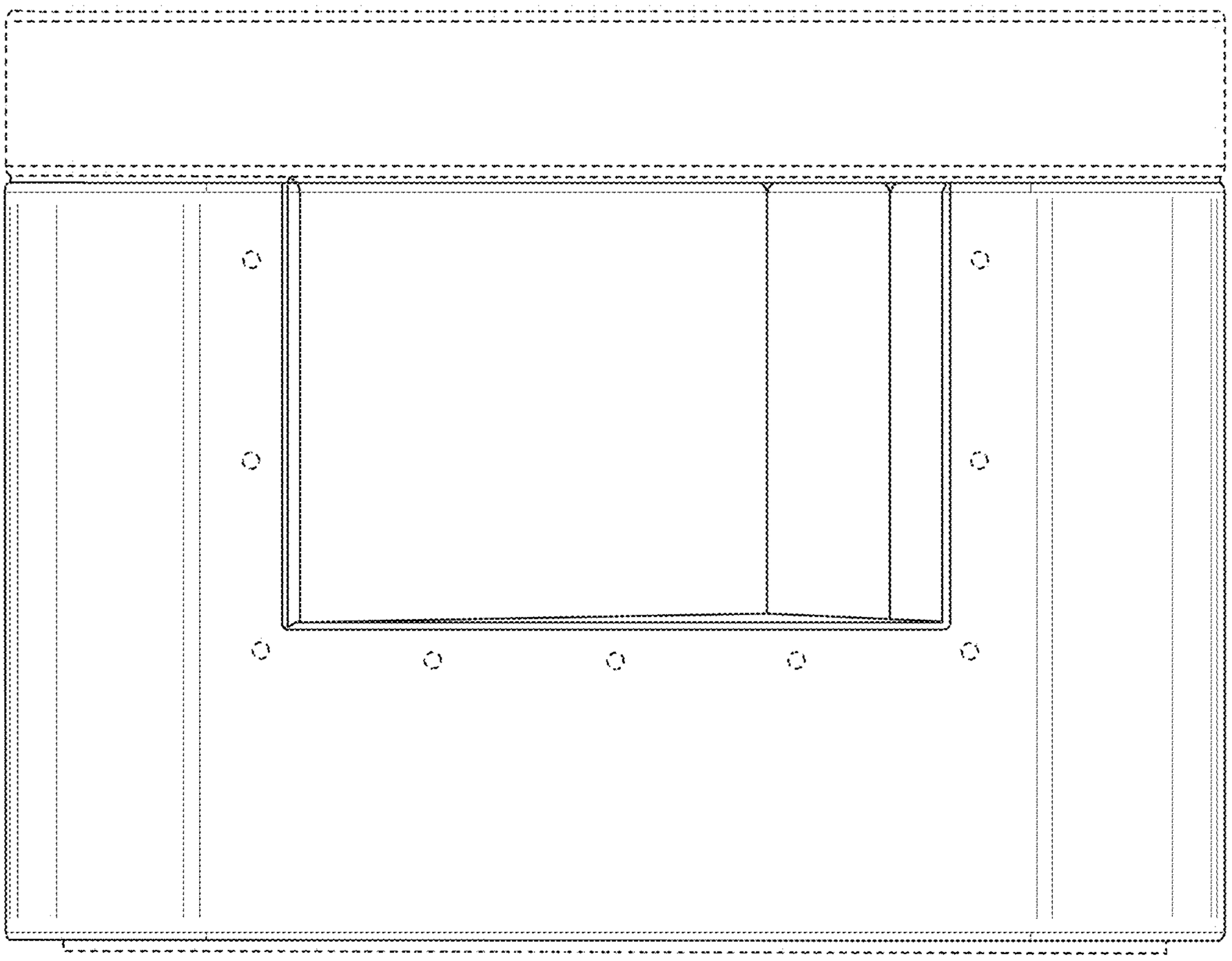


FIG. 6

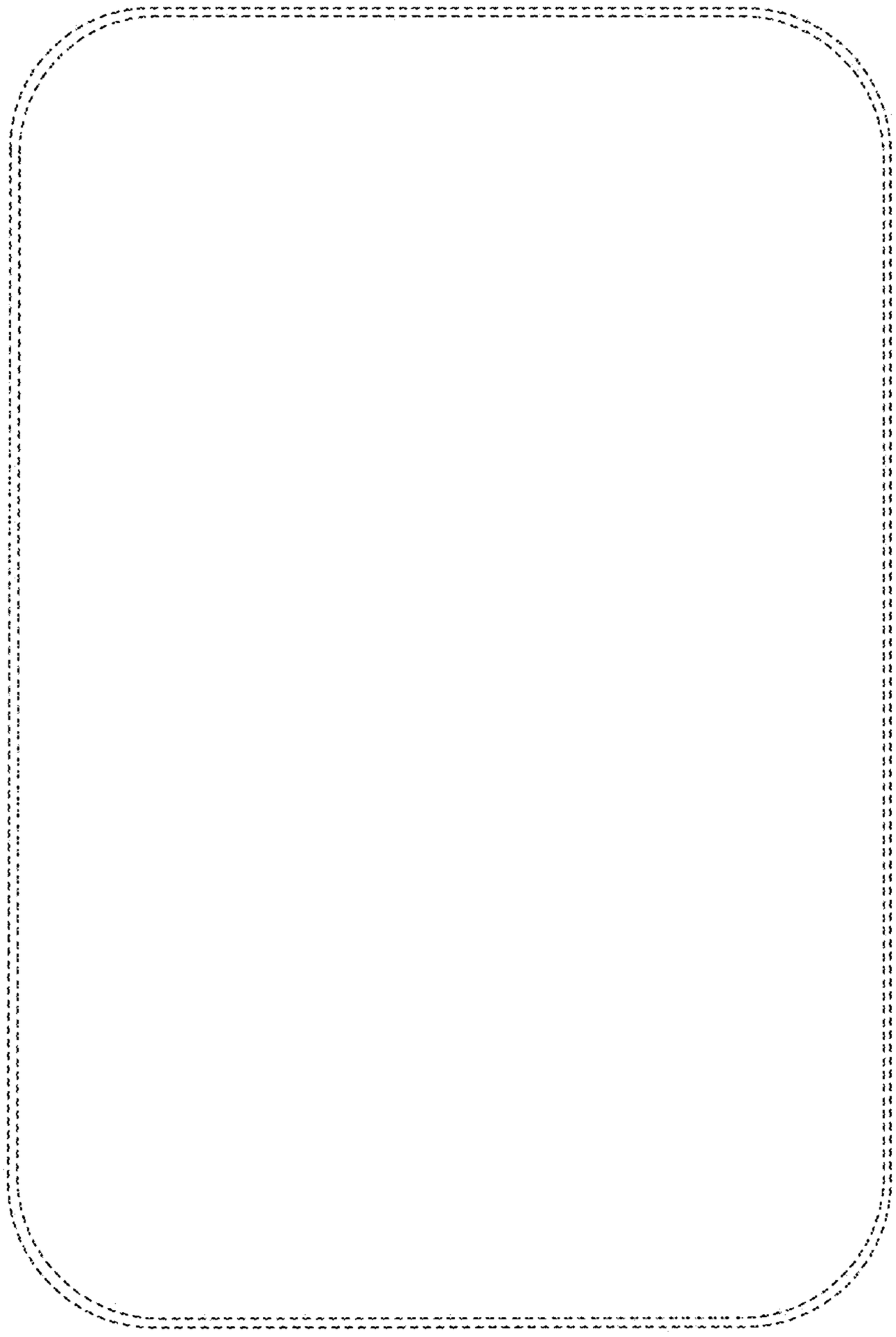


FIG. 7

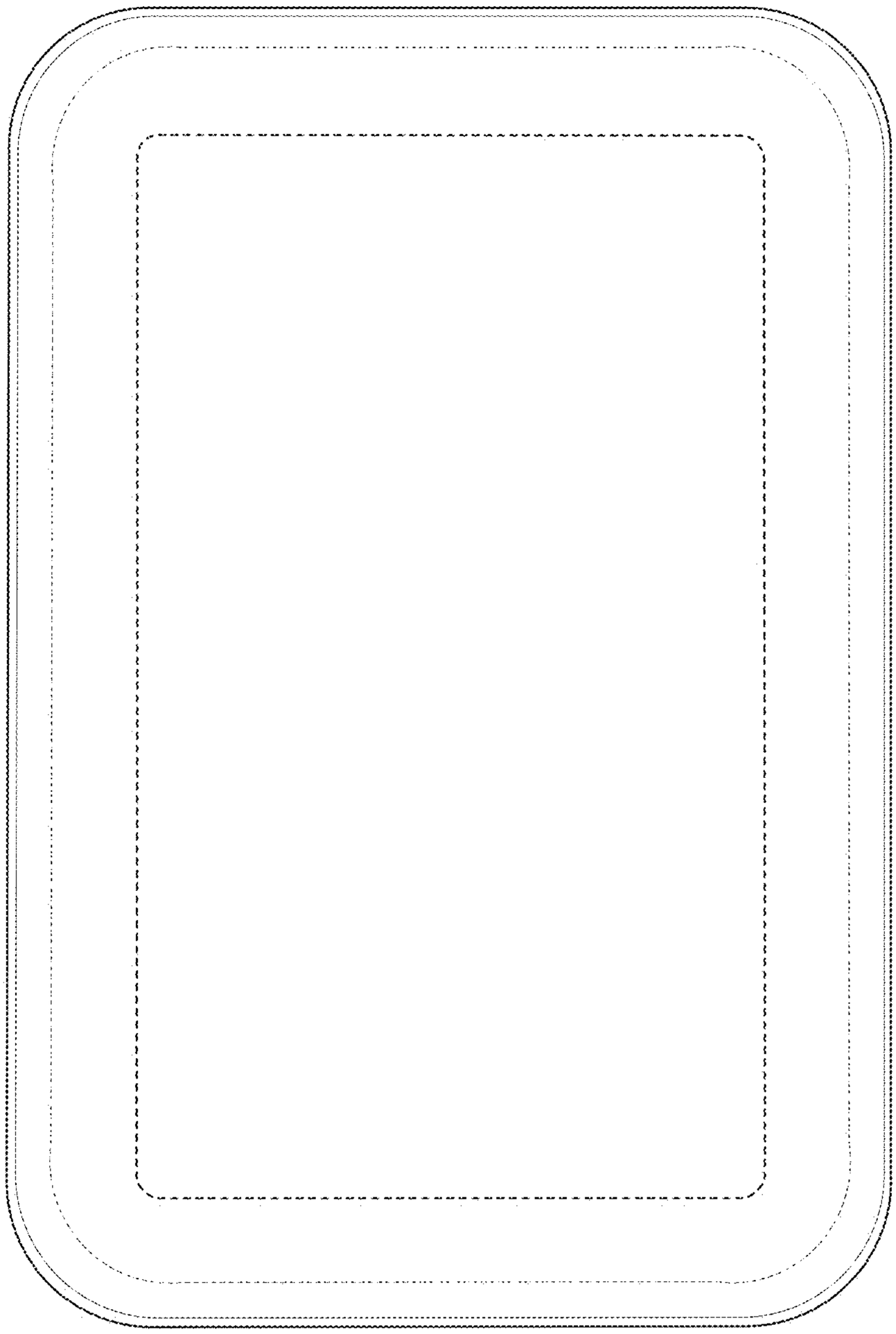


FIG. 8

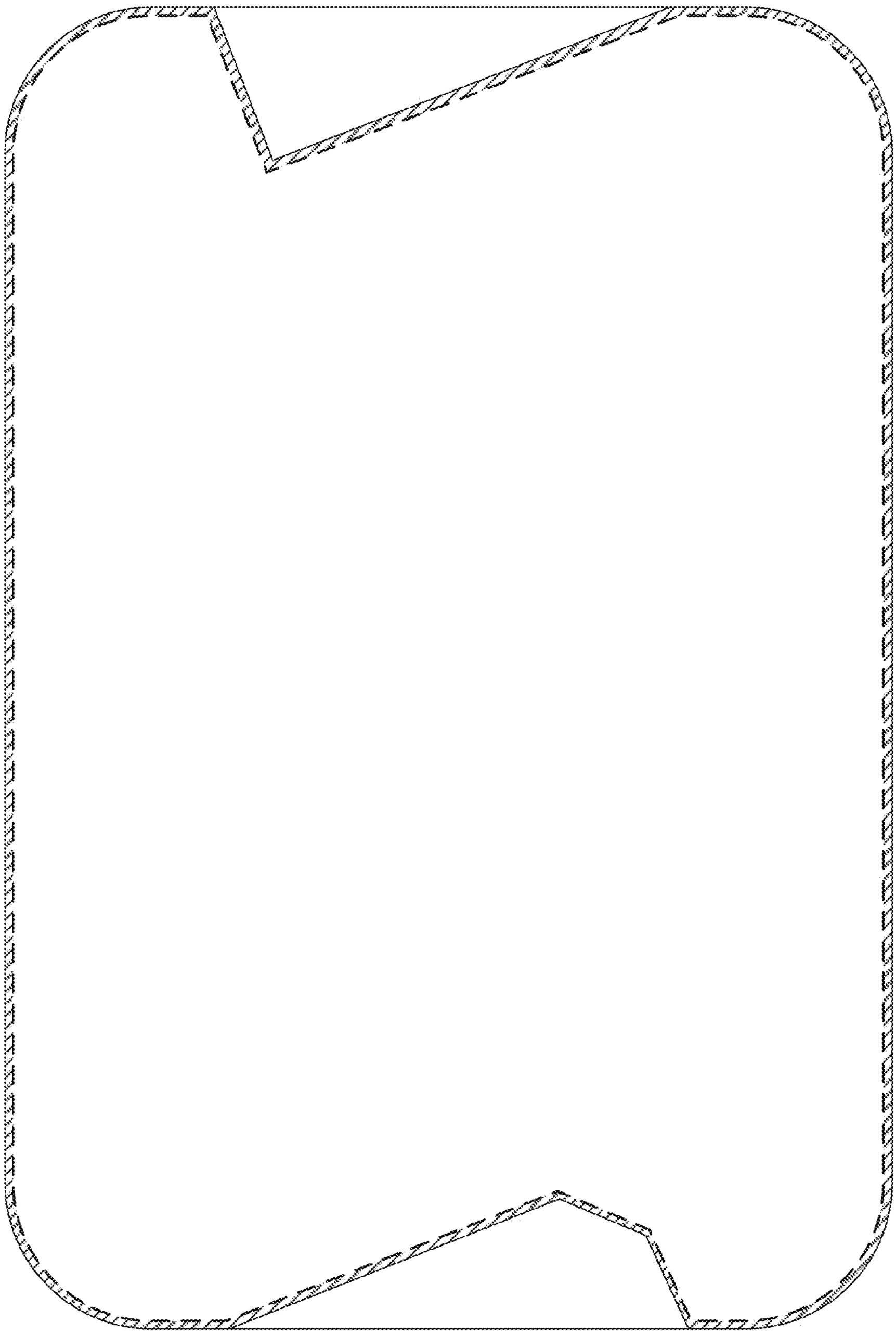


FIG. 9