



US00D971143S

(12) **United States Design Patent**
Wang et al.

(10) **Patent No.:** **US D971,143 S**

(45) **Date of Patent:** **** Nov. 29, 2022**

(54) **BATTERY CHARGER**

(71) Applicant: **SHENZHEN XINGYINGDA
INDUSTRY CO., LTD.**, Shenzhen
(CN)

(72) Inventors: **Jun Wang**, Shenzhen (CN); **Yan Ke**,
Shenzhen (CN)

(73) Assignee: **SHENZHEN XINGYINGDA
INDUSTRY CO., LTD.**, Shenzhen
(CN)

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

(21) Appl. No.: **29/847,054**

(22) Filed: **Jul. 21, 2022**

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

(52) **U.S. Cl.**
USPC **D13/108**

(58) **Field of Classification Search**
USPC D13/107, 108, 110, 118, 119, 184, 199;
D14/251, 253, 432, 434
CPC H02J 7/025; H02J 7/005; H02J 7/0026;
H02J 7/0042; H02J 7/0044; H02J 7/0045;
H02J 7/0013; H02J 7/0003; H02J 50/10;
H02J 50/12
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D278,426 S *	4/1985	Lanci	.....	D13/107
D350,540 S *	9/1994	Hyvonen	.....	D14/149
D601,953 S *	10/2009	Asai	.....	D13/107
D607,403 S *	1/2010	Hara	.....	D13/107
D687,770 S *	8/2013	Rabalais	.....	D13/107
D692,824 S *	11/2013	Fiaschetti	.....	D13/108
D718,710 S *	12/2014	Rabalais	.....	D13/107
D749,042 S *	2/2016	Gecawicz	.....	D13/107
D755,122 S *	5/2016	Gecawicz	.....	D13/107

D765,595 S *	9/2016	Shaanan	.....	D13/107
D782,974 S *	4/2017	Ju	.....	D13/108
D816,028 S *	4/2018	Chen	.....	D13/108
D820,782 S *	6/2018	Wang	.....	D13/107
D820,783 S *	6/2018	Gelder	.....	D13/107
D822,597 S *	7/2018	Wai Hung	.....	D13/107
D846,497 S *	4/2019	Clark	.....	D13/108
D895,545 S *	9/2020	Singer	.....	D13/108
D900,732 S *	11/2020	Sexton	.....	D13/107
D926,679 S *	8/2021	Yang	.....	D13/108
D931,803 S *	9/2021	Ge	.....	D13/107
D946,505 S *	3/2022	Birkholz	.....	D13/107
D956,687 S	7/2022	Huang		
D957,323 S	7/2022	Zhang et al.		
D957,337 S *	7/2022	Chen	.....	D13/119
D964,273 S *	9/2022	Uchida	.....	D13/108
D964,929 S *	9/2022	Maeda	.....	D13/108
D967,019 S *	10/2022	Parcon	.....	D13/108

* cited by examiner

Primary Examiner — Christy Nemeth

(74) *Attorney, Agent, or Firm* — ScienBiziP, P.C.

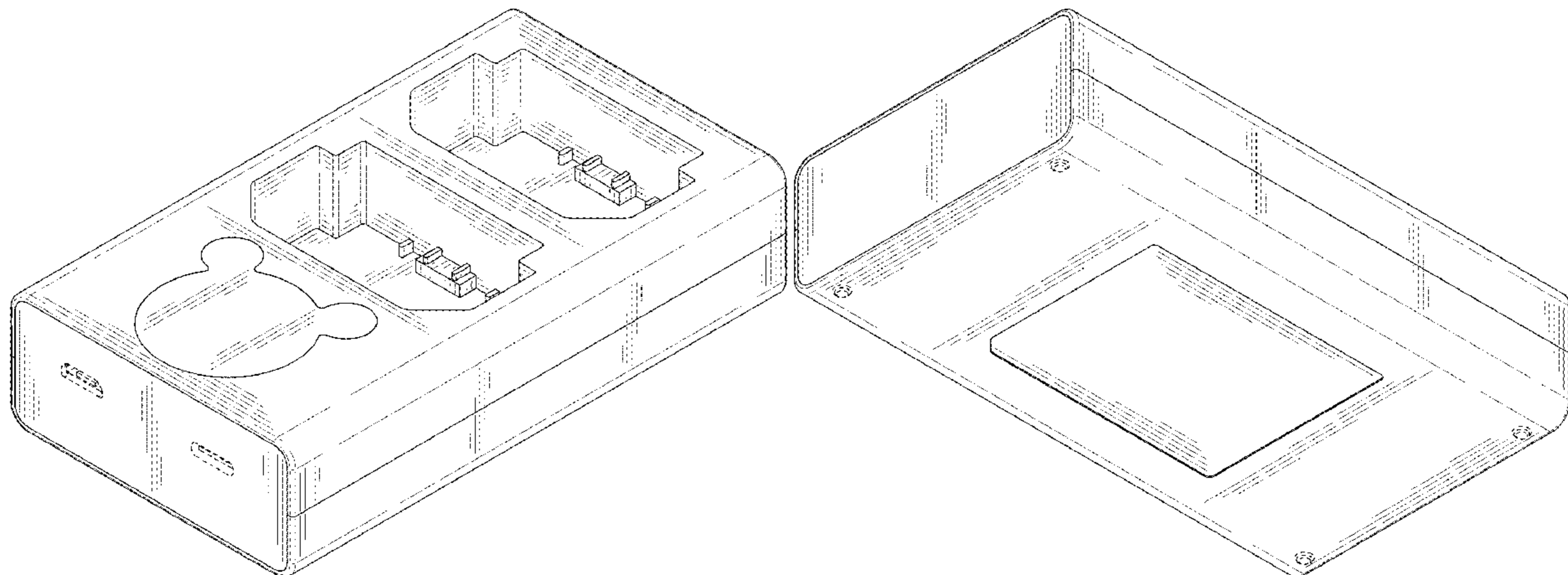
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front, right and top perspective view of a battery charger, showing our design.
FIG. 2 is a rear, left and bottom perspective view thereof.
FIG. 3 is a front elevation view thereof.
FIG. 4 is a rear elevation view thereof.
FIG. 5 is a left side elevation view thereof.
FIG. 6 is a right side elevation view thereof.
FIG. 7 is a top plan view thereof; and,
FIG. 8 is a bottom plan view thereof.
The broken lines shown in the drawings are included for the purpose of illustrating portions of the battery charger that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



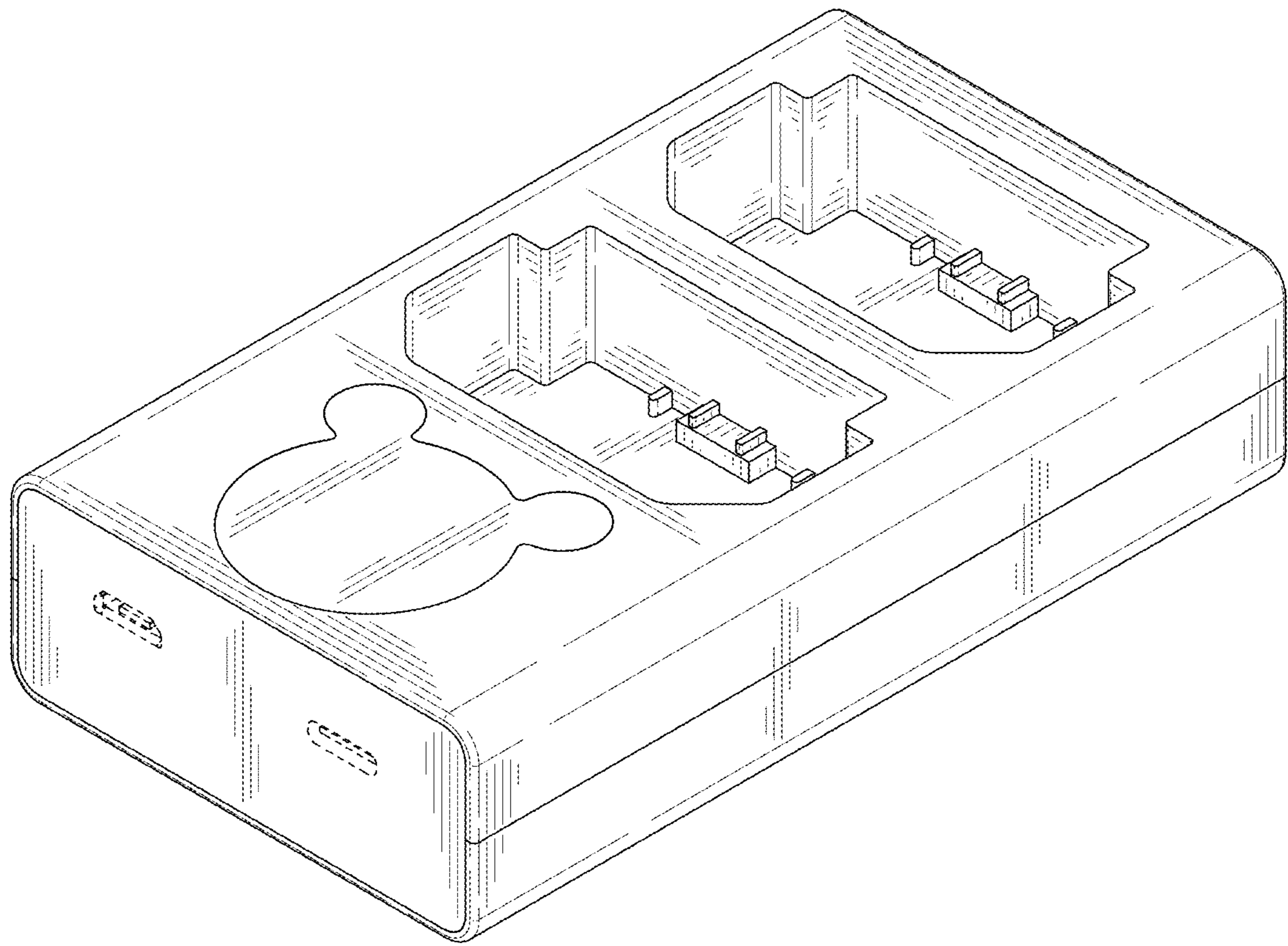


FIG. 1

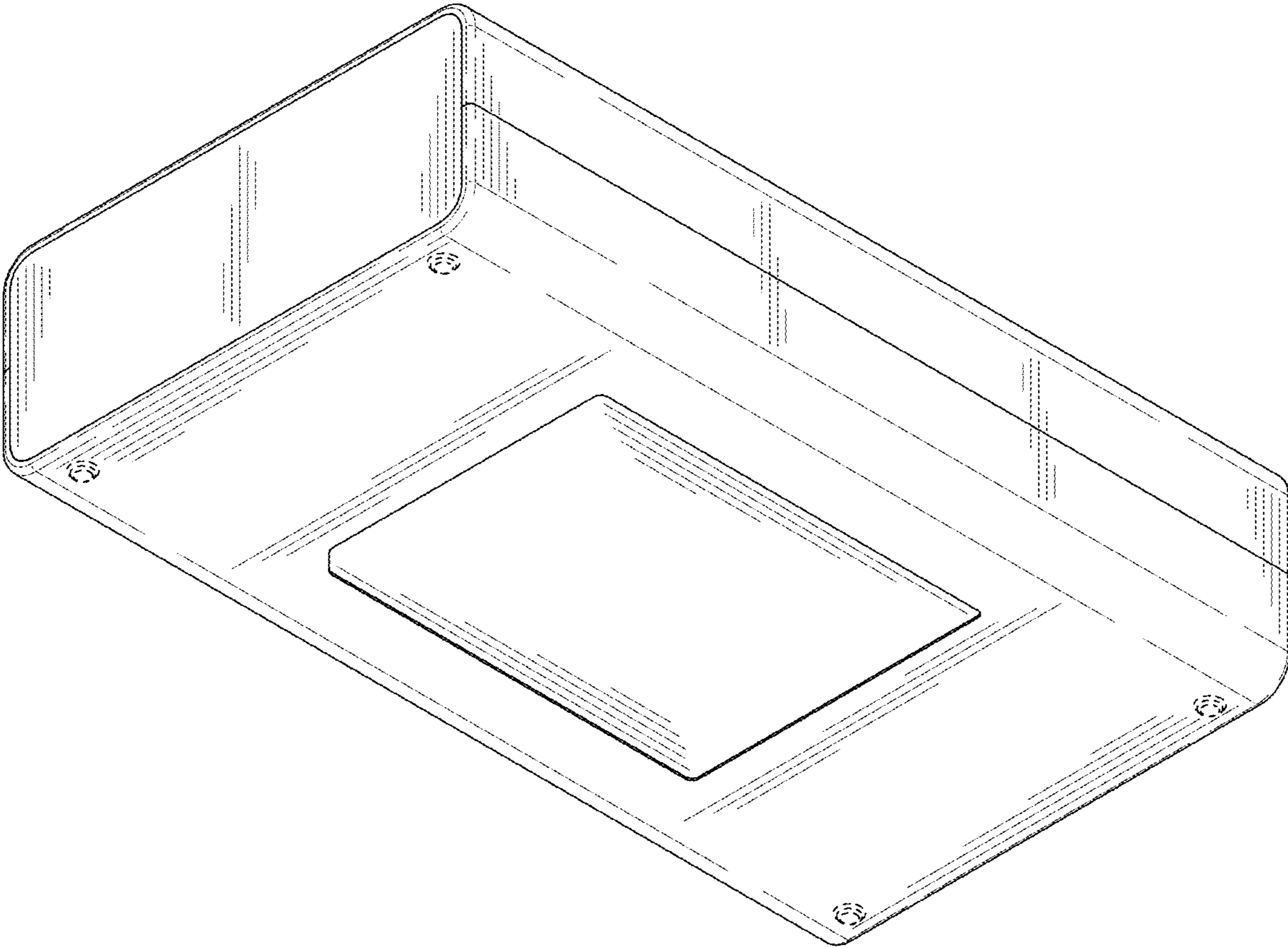


FIG. 2

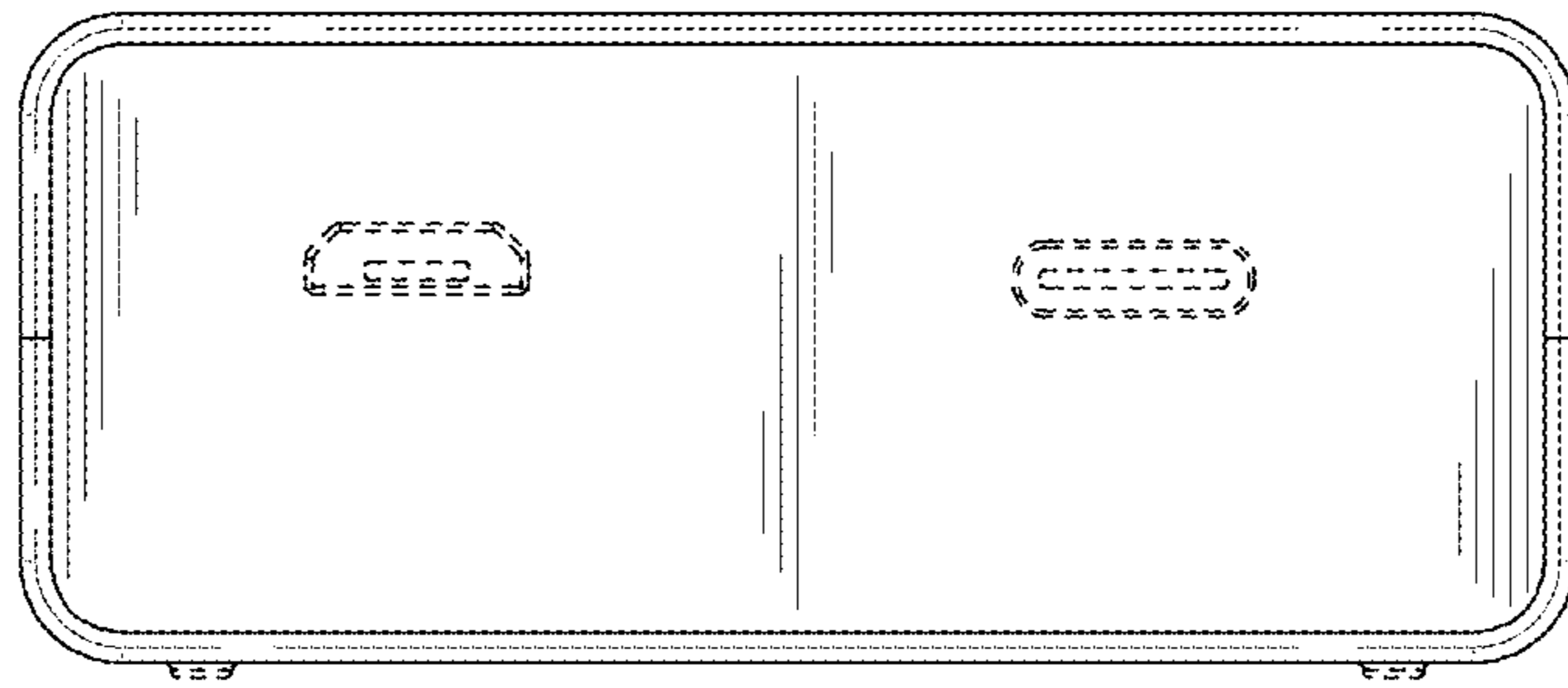


FIG. 3

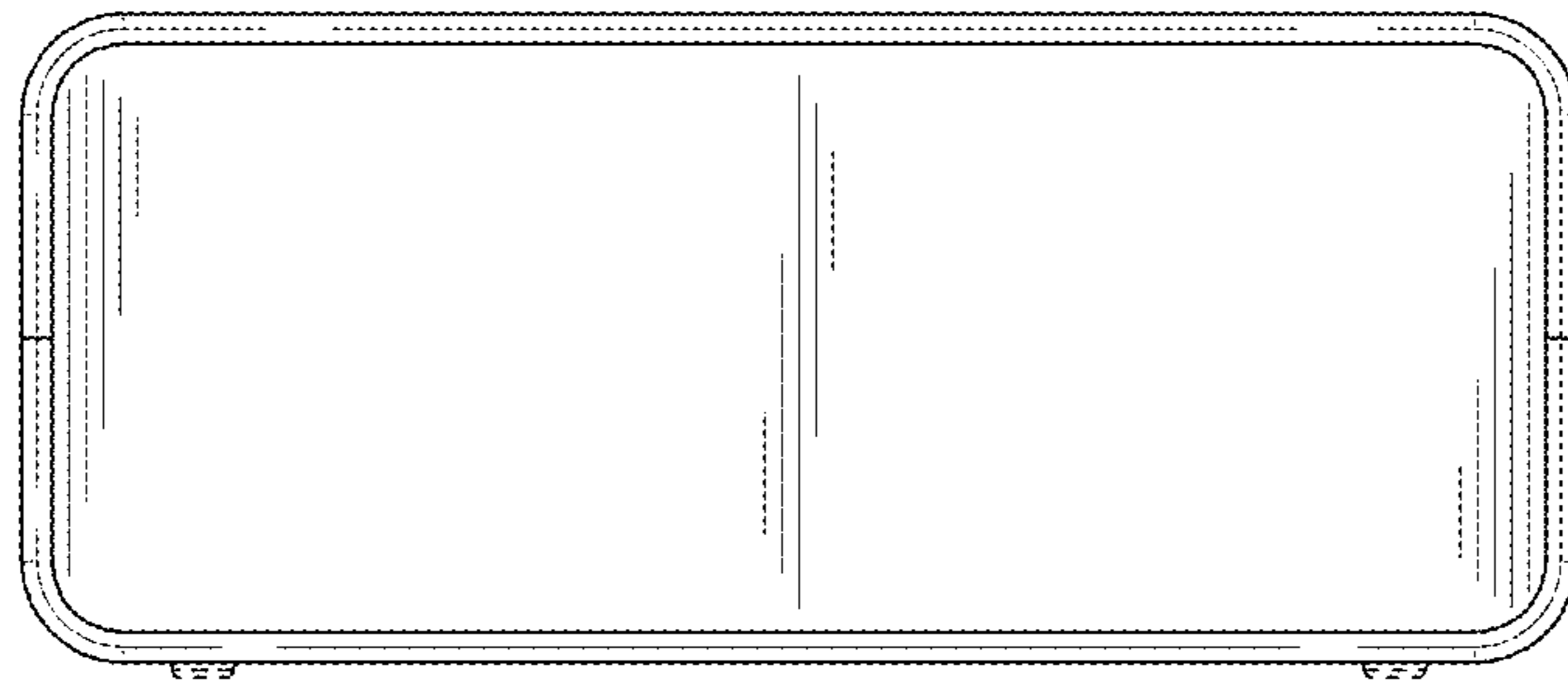


FIG. 4

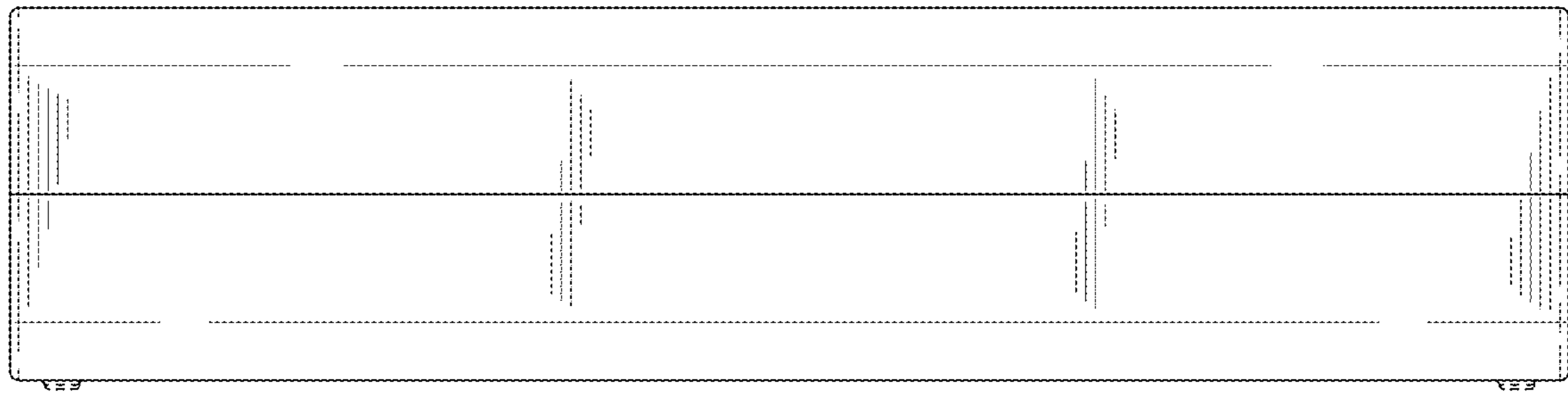


FIG. 5

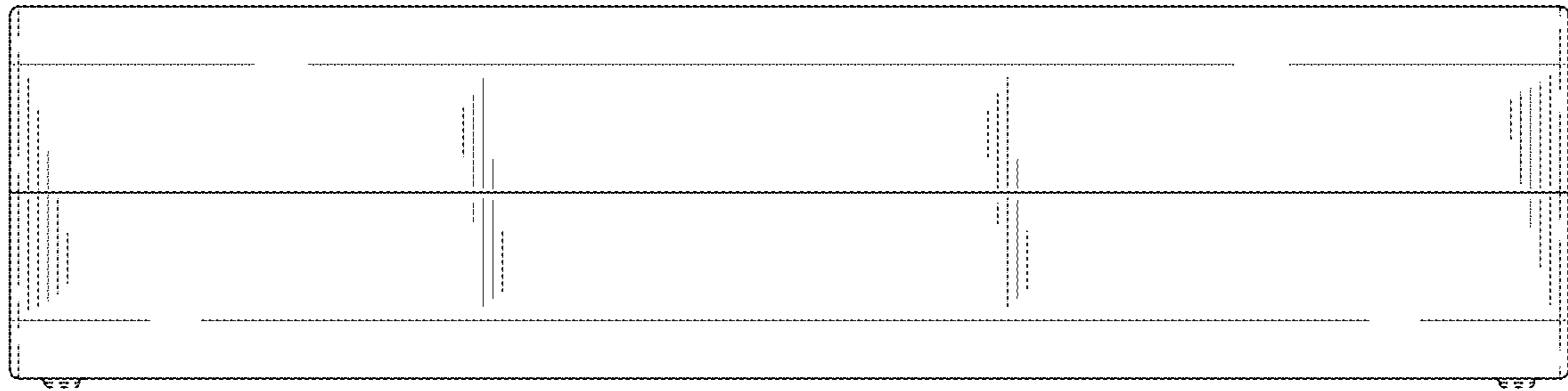


FIG. 6

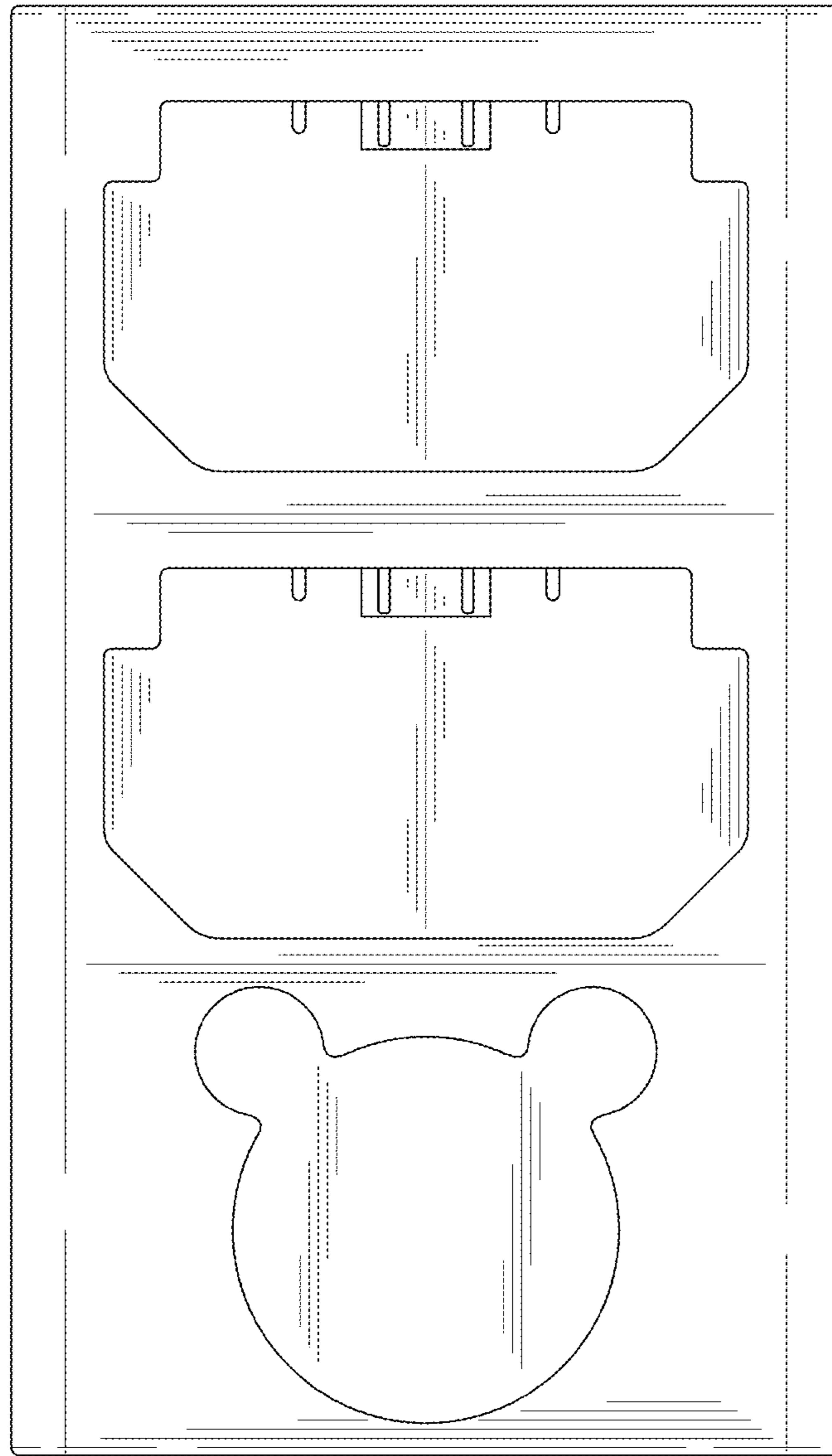


FIG. 7

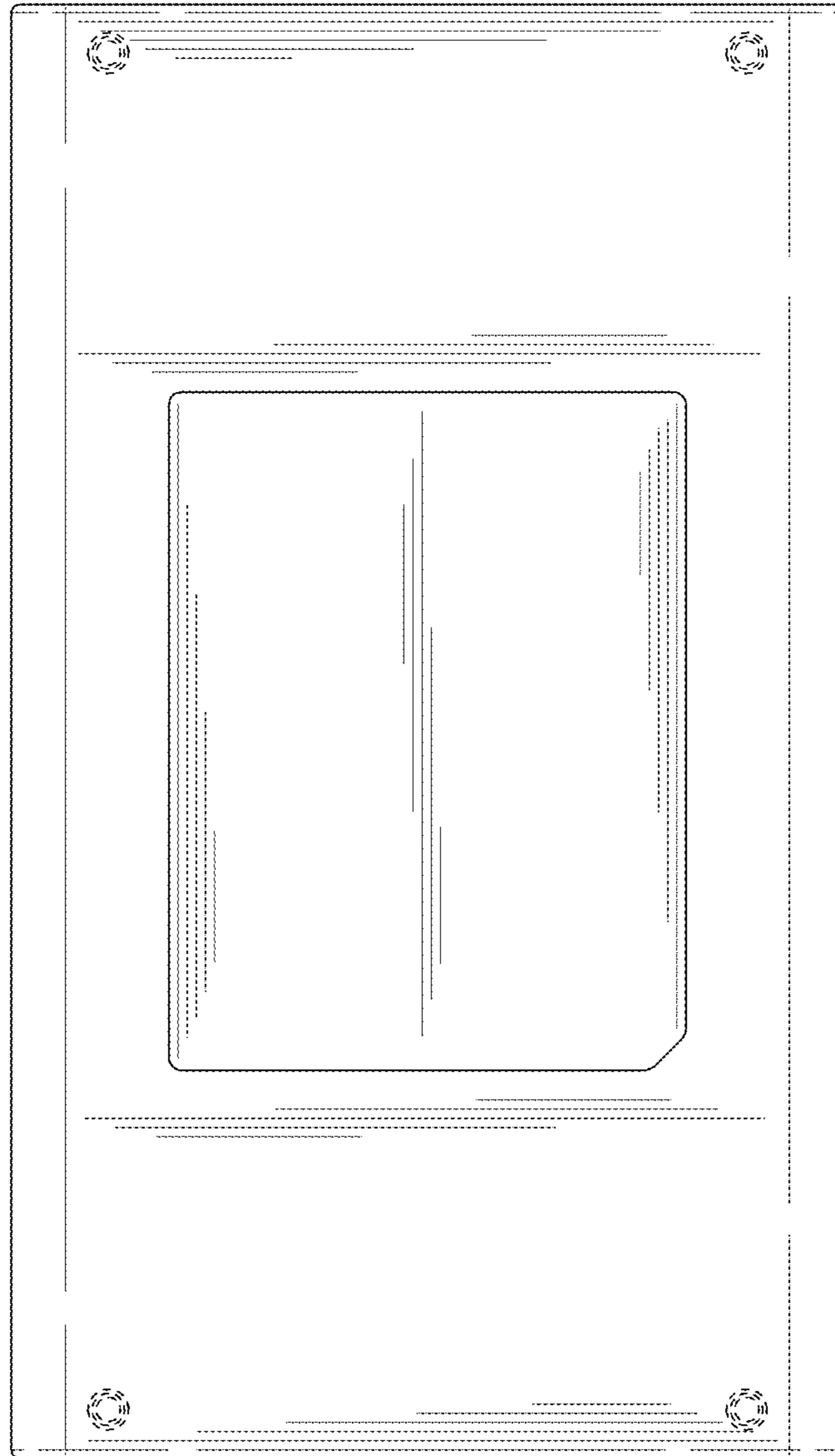


FIG. 8