US0D1093619S

(12) United States Design Patent

Zhang et al.

(10) Patent No.: US D1,093,619 S
(45) Date of Patent: ** Sep. 16, 2025

(54) **CASSETTE**

(71) Applicant: **10x Genomics, Inc.**, Pleasanton, CA (US)

(72) Inventors: **Yiran Zhang**, Castro Valley, CA (US); **David Morgan**, Castro Valley, CA (US); **Adrian Tanner**, Oakland, CA (US)

(73) Assignee: **10x Genomics, Inc.**, Pleasanton, CA (US)

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

(21) Appl. No.: **29/841,228**

(22) Filed: **Jun. 3, 2022**

(51) **LOC (15) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/225**

(58) **Field of Classification Search**
USPC D24/168, 186, 187, 216, 227, 223, 224, D24/225
CPC B01L 3/5027; B01L 3/502707; B01L 3/50; B01L 3/508
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D698,019	S	*	1/2014	Oliveira	D24/111
D760,399	S	*	6/2016	So	D24/227
D771,834	S	*	11/2016	Leaver	D24/224
D901,708	S	*	11/2020	Jones	D24/224
D942,034	S		1/2022	Osmus et al.	
D948,037	S	*	4/2022	Breitweiser	D24/129
D953,562	S	*	5/2022	Ali	D24/224
D977,143	S	*	1/2023	Lazevski	D24/224
D1,008,487	S	*	12/2023	Evans	D24/227
2014/0271407	A1	*	9/2014	Knorr	B01L 3/508 422/536
2014/0273084	A1	*	9/2014	Boehl	G01N 1/36 435/40.52

FOREIGN PATENT DOCUMENTS

CN	304787602 S		8/2018
CN	308406804	*	1/2024
EM	001158133-0001	*	9/2009

(Continued)

OTHER PUBLICATIONS

Xenium In Situ for Fresh Frozen Tissues—Fixation & Permeabilization PDF, posted Apr. 2023 [retrieved online Apr. 19, 2024]. Retrieved from internet, https://cdn.10xgenomics.com/image/upload/v1680656745/support-documents/CG000581_Demonstrated_Protocol_Xenium_FF_Fixation_Permeabilization_RevB.pdf (Year: 2023).*

(Continued)

Primary Examiner — Justin M Jonaitis
Assistant Examiner — Samantha K Pollack
(74) *Attorney, Agent, or Firm* — Foley Hoag LLP; Erik A. Huestis; Stephen J. Kenny

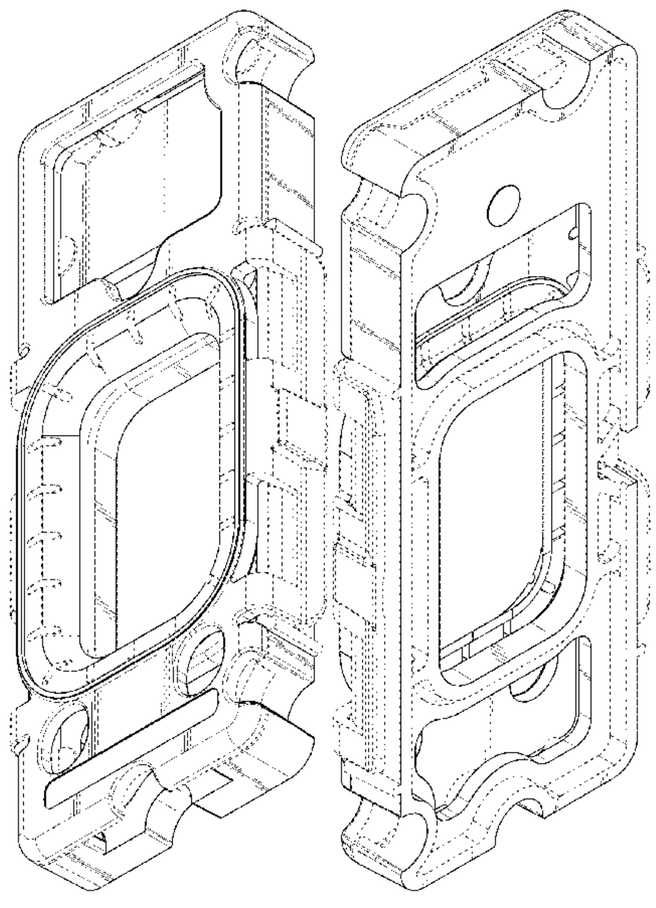
(57) **CLAIM**

The ornamental design for a cassette as shown and described.

DESCRIPTION

FIG. **1** is a top perspective view of a cassette showing the new design.
FIG. **2** is a bottom perspective view thereof.
FIG. **3** is a top view thereof.
FIG. **4** is a bottom view thereof.
FIG. **5** is a left view thereof.
FIG. **6** is a right view thereof.
FIG. **7** is a rear view thereof; and,
FIG. **8** is a front view thereof.
The broken lines in the drawings illustrate portions of the cassette that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56) **References Cited**

FOREIGN PATENT DOCUMENTS

EM	015004936-0001	*	12/2022
JP	D1693959 S		8/2021
TW	D195231 S		1/2019
TW	230339-0001	*	3/2024

OTHER PUBLICATIONS

Xenium Analyzer—10x Genomics, posted date unavailable [retrieved online Apr. 19, 2024]. Retrieved from internet, https://www.10xgenomics.com/instruments/xenium-analyzer#specifications (Year: 2024).*

CG000623_Xenium Slide Cassette QRC RevB, posted Mar. 2024 [retrieved online Apr. 19, 2024]. Retrieved from internet, https://www.10xgenomics.com/support/in-situ-gene-expression/documentation/steps/tissue-prep-fresh-frozen/xenium-for-slide-cassette-assembly-quick-reference-card (Year: 2024).*

Office Action issued in corresponding Taiwan Application No. 111306065, dated May 12, 2023. (English Translation Provided).

* cited by examiner

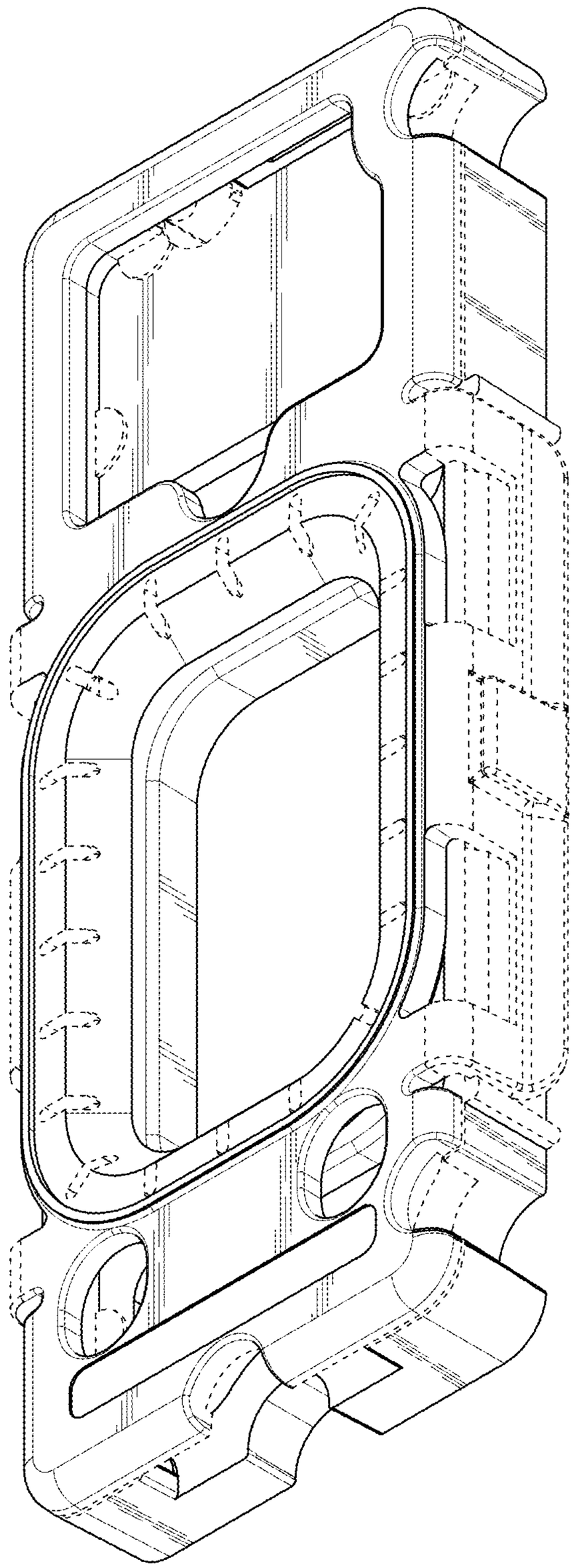


FIG. 1

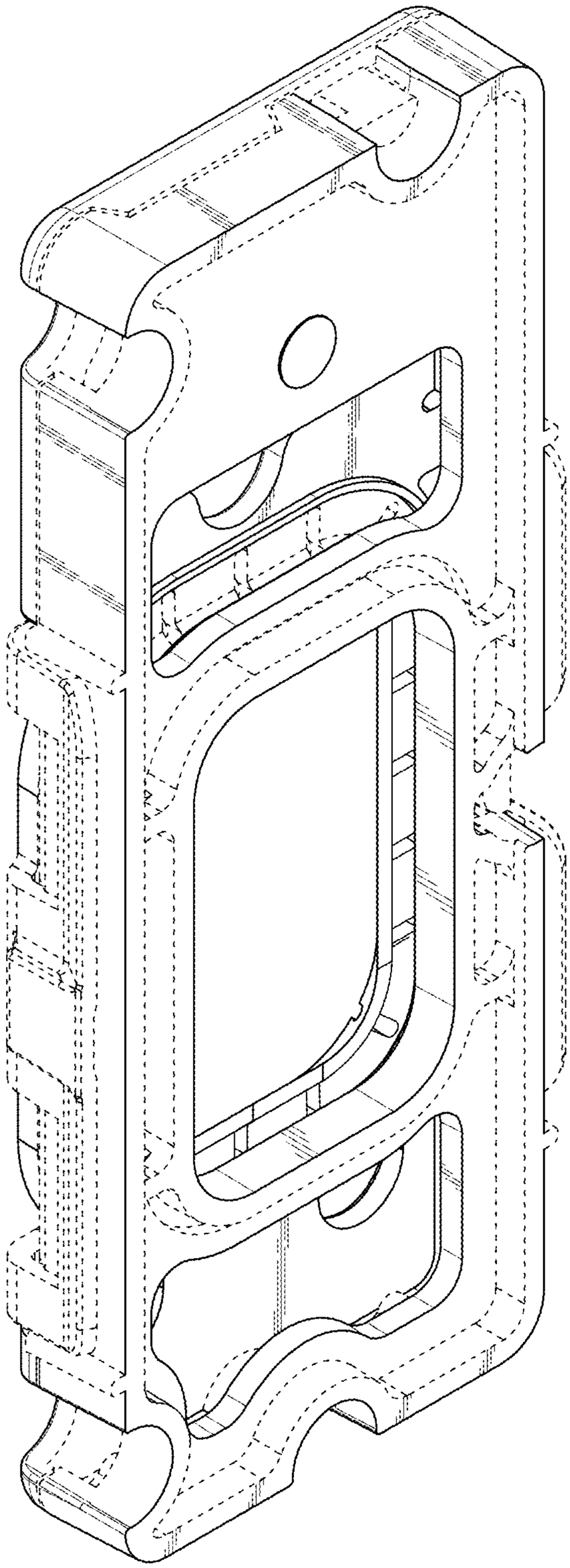


FIG. 2

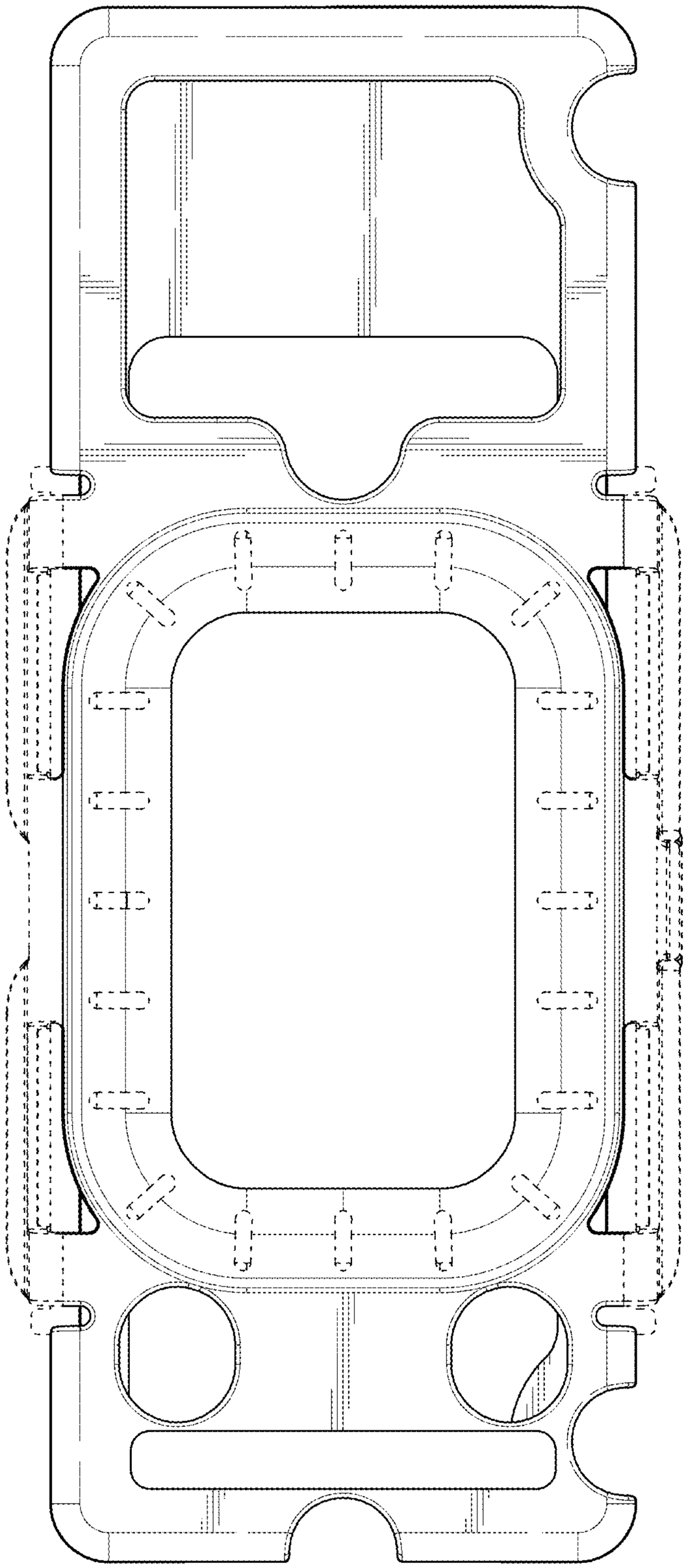


FIG. 3

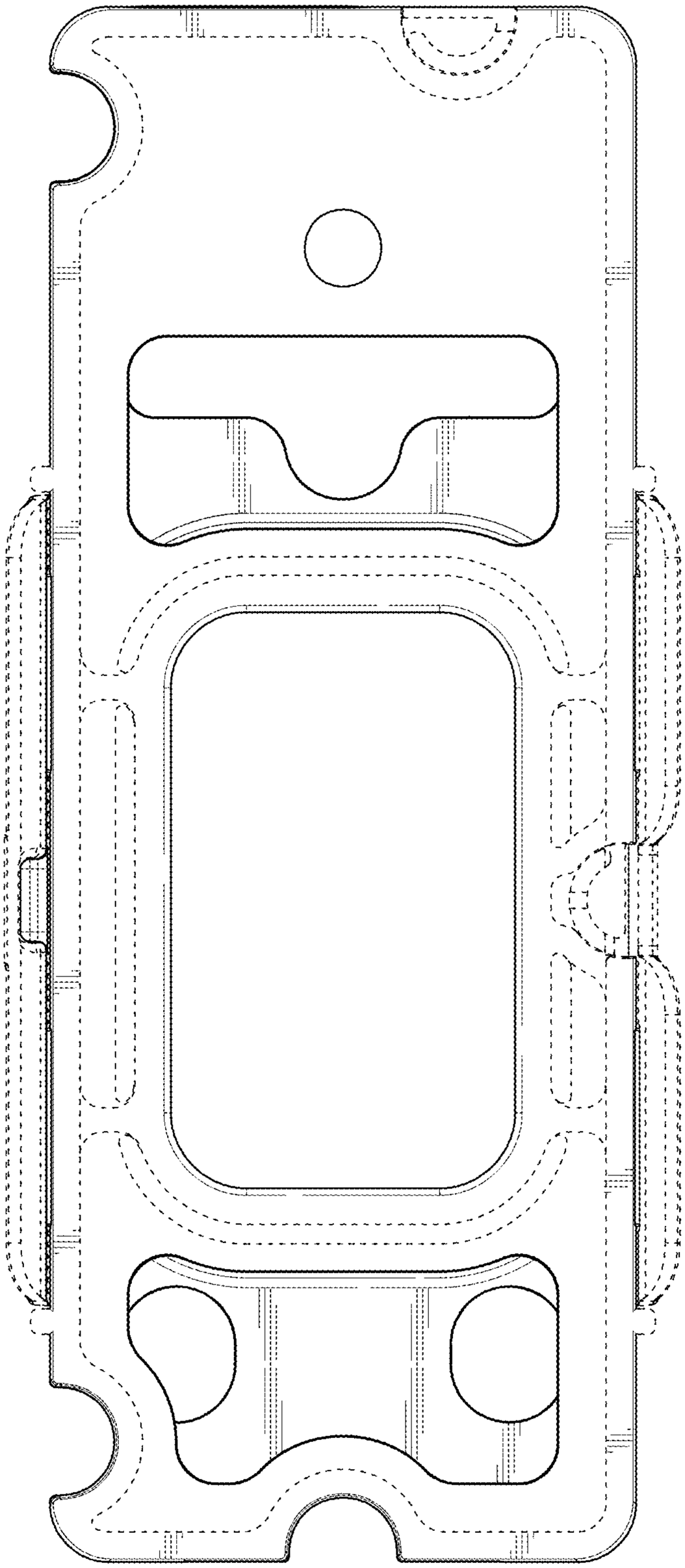


FIG. 4

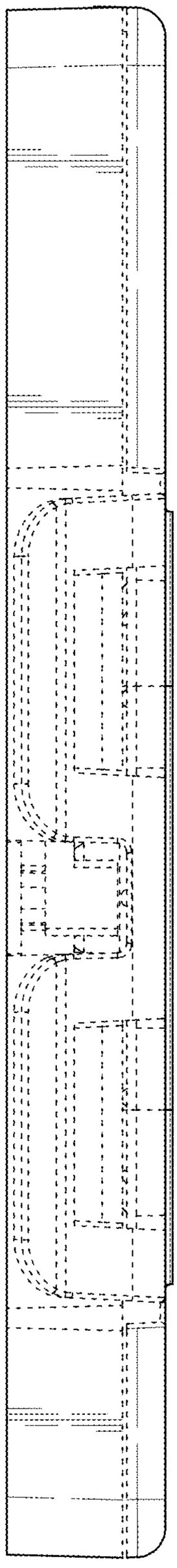


FIG. 5

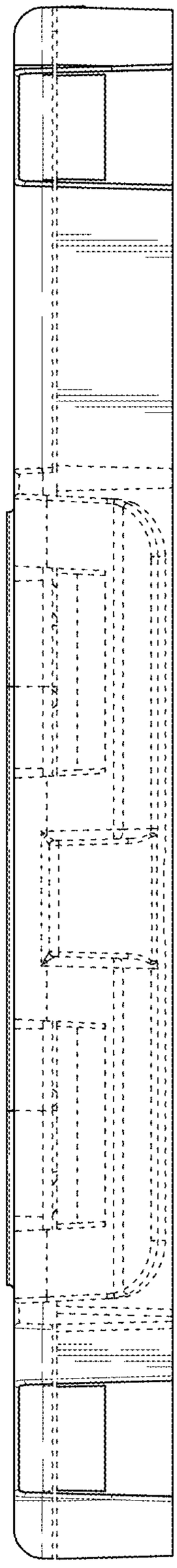


FIG. 6

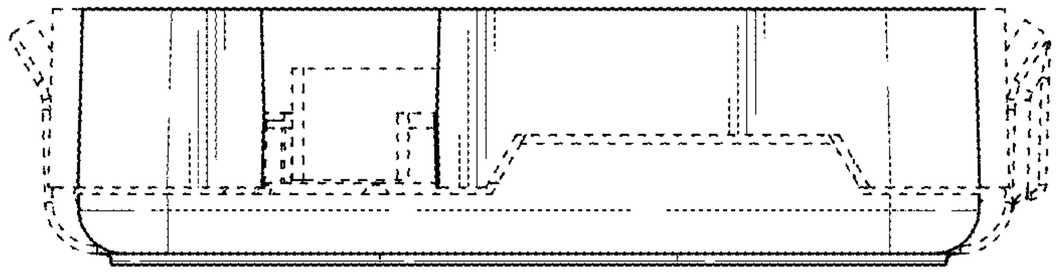


FIG. 7

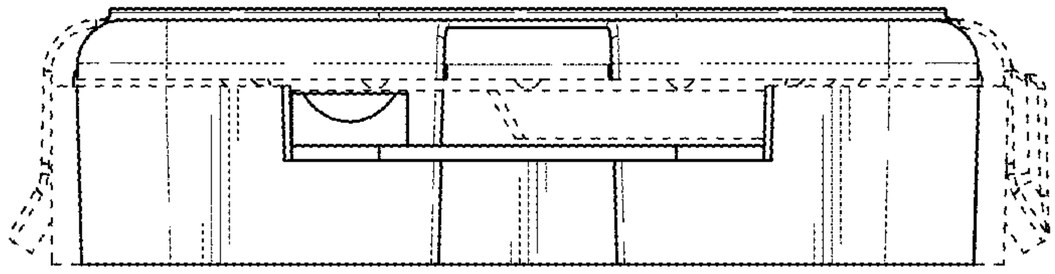


FIG. 8