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(12) **United States Design Patent** (10) **Patent No.:** **US D976,203 S**
Lei et al. (45) **Date of Patent:** **** Jan. 24, 2023**

(54) **JUMP STARTER**
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(52) **U.S. Cl.**
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CPC H02J 7/0042; H02J 7/0044; H02J 7/0045; H02J 7/0047; H02J 7/0003; H02J 7/00047; H02J 7/0013; H02J 7/0027; H02J 1/122; H02J 7/00; B60R 16/033; H01M 10/44; H01M 10/46
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
D449,271 S * 10/2001 Tong D13/110
D746,770 S * 1/2016 Nook D13/103
D769,188 S * 10/2016 Miller D13/107
D786,192 S * 5/2017 Liu D13/107

D872,011 S * 1/2020 Rao D13/107
D872,012 S * 1/2020 Rao D13/107
D874,396 S * 2/2020 Rao D13/107
D881,120 S * 4/2020 Ai D13/103
D884,609 S * 5/2020 Gan D13/103
D892,727 S * 8/2020 Gan D13/103
D908,085 S * 1/2021 Liu D13/110
(Continued)

OTHER PUBLICATIONS

“Car Jump Starter, SUNPOW 2000A Peak20000mAh Lithium Jump Starter Battery Pack(Up to All Gas and 8.5L Diesel),12V Battery Booster for Cars, Trucks, SUV, Portable Power Pack with LCD Screen & LED Light”, Amazon.com, first available on Nov. 5, 2020. Retrieved from the internet: <https://www.amazon.com/Starter-SUNPQW-20000mAh-Lithium-Portable/dp/B08MTJFGDW/>. (Year: 2020).*

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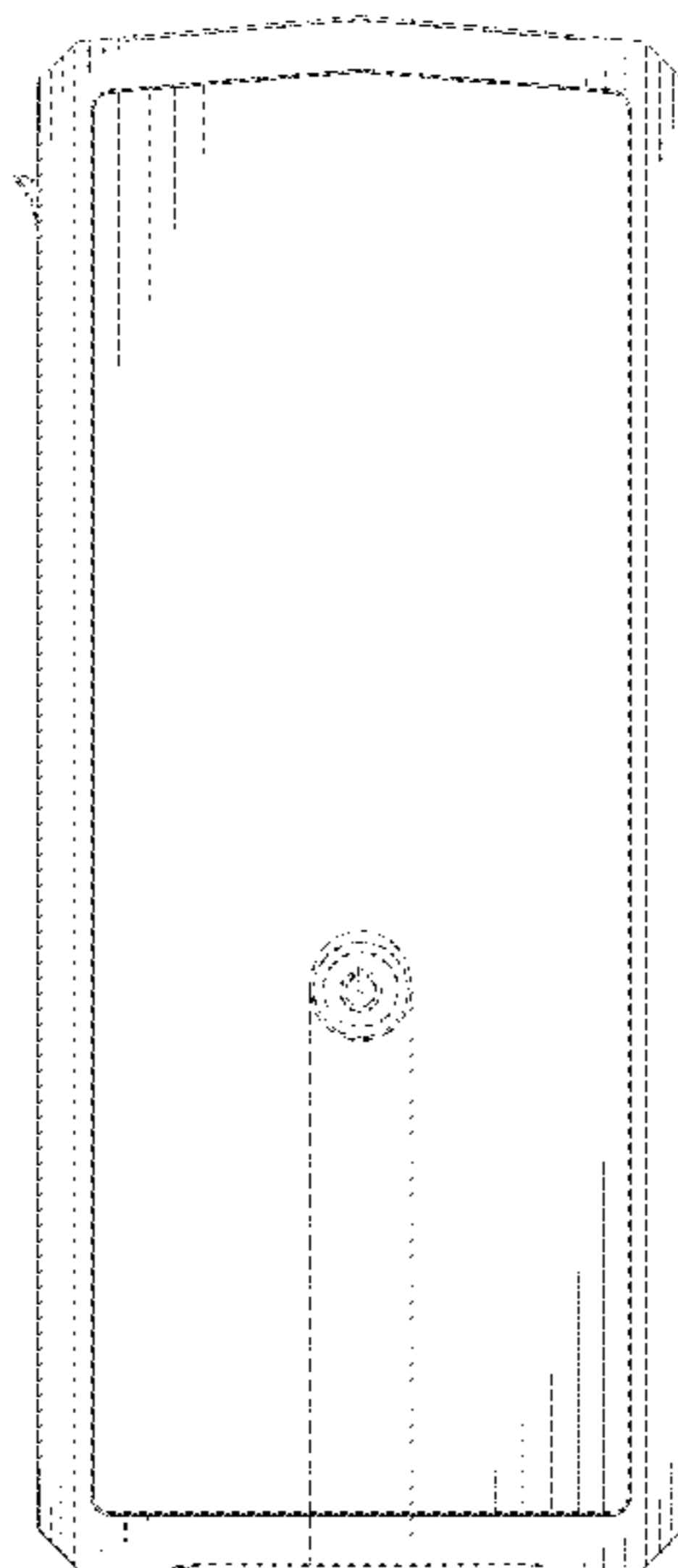
(57) **CLAIM**

The ornamental design for a jump starter, as shown and described.

DESCRIPTION

FIG. 1 is a front view of a jump starter showing the new design;
FIG. 2 is a rear view thereof;
FIG. 3 is a left side view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof; and,
FIG. 7 is a front, top, and right side perspective view thereof.
The broken lines shown in the drawings are for the purpose of illustrating portions of the jump starter that form no part of the claimed design.
The shade lines in the Figures show contour and not surface ornamentation.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D930,578	S	*	9/2021	Zheng	.....	D13/110
D937,762	S	*	12/2021	Chung	.....	D13/107
D942,931	S	*	2/2022	Fang	.....	D13/110
D942,935	S	*	2/2022	Wang	.....	D13/107
D942,936	S	*	2/2022	Deng	.....	D13/110
D943,516	S	*	2/2022	Wang	.....	D13/107
D944,725	S	*	3/2022	Zeng	.....	D13/103
D947,116	S	*	3/2022	Al	.....	D13/103
D951,182	S	*	5/2022	Gong	.....	D13/103
D953,258	S	*	5/2022	Ye	.....	D13/103
D958,064	S	*	7/2022	Finocchiaro	.....	D13/107
2016/0359352	A1	*	12/2016	Chiu	.....	G08B 5/00
2020/0259368	A1	*	8/2020	Miller	.....	H02J 50/10
2022/0158462	A1	*	5/2022	Lei	.....	H02J 7/0045
2022/0158463	A1	*	5/2022	Lei	.....	H02J 7/342

* cited by examiner

FIG. 1

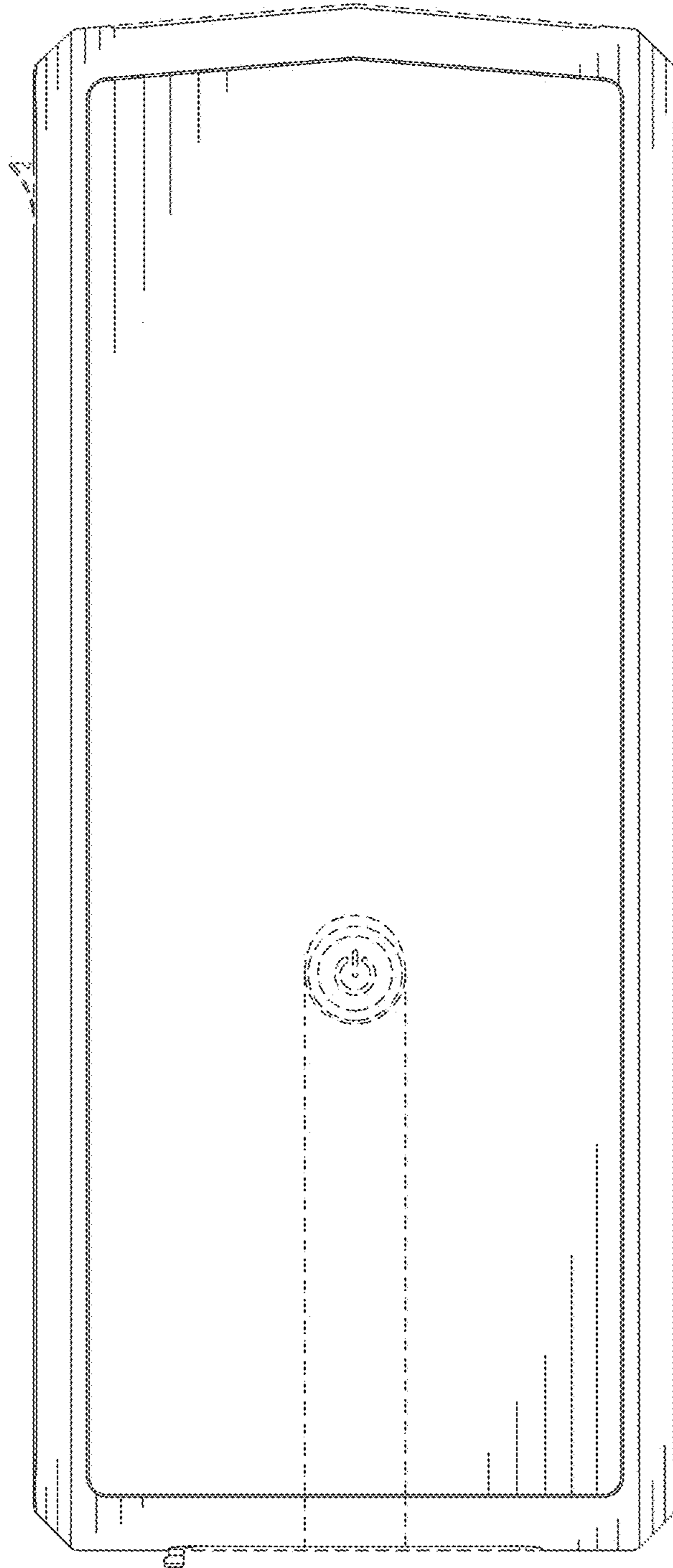


FIG. 2

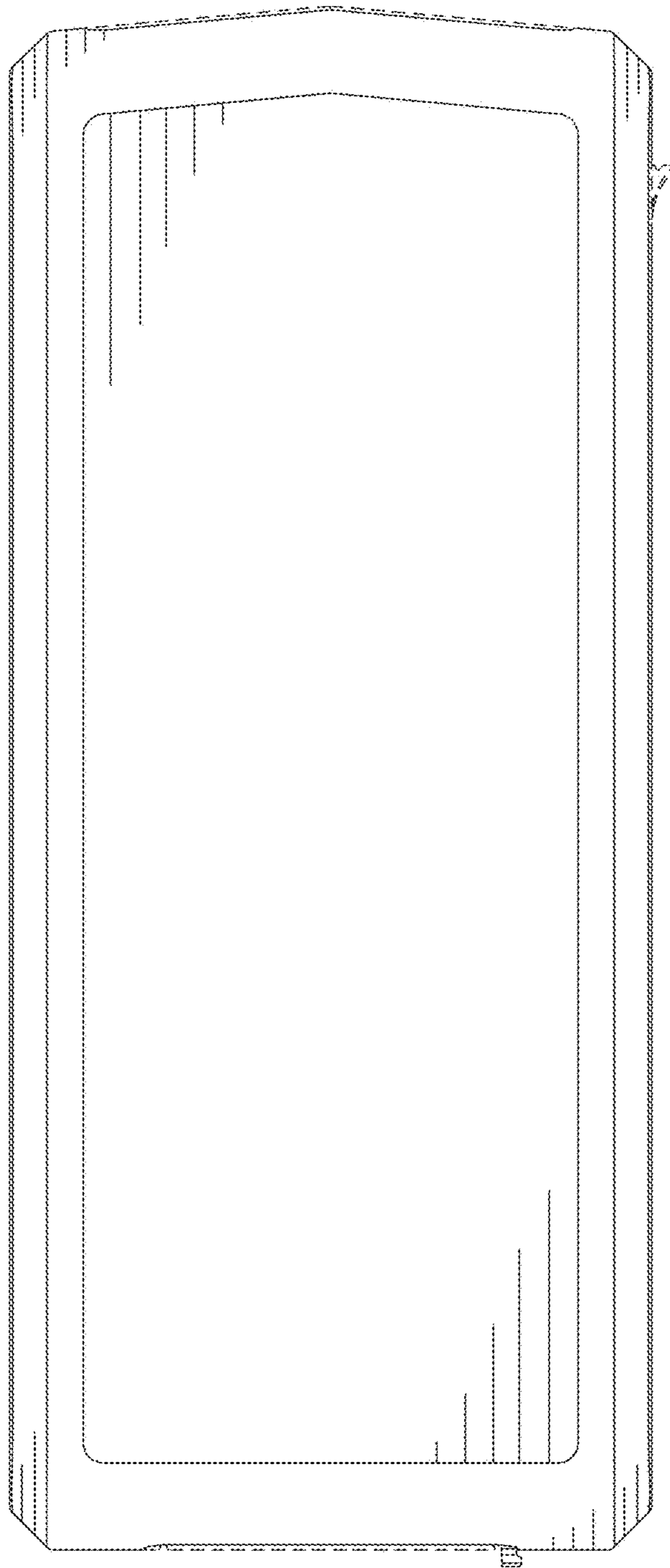


FIG. 3

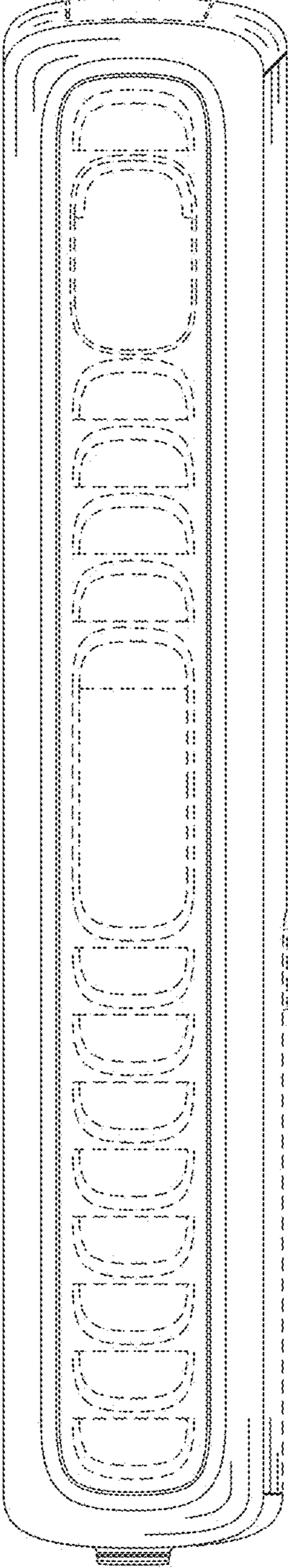


FIG. 4

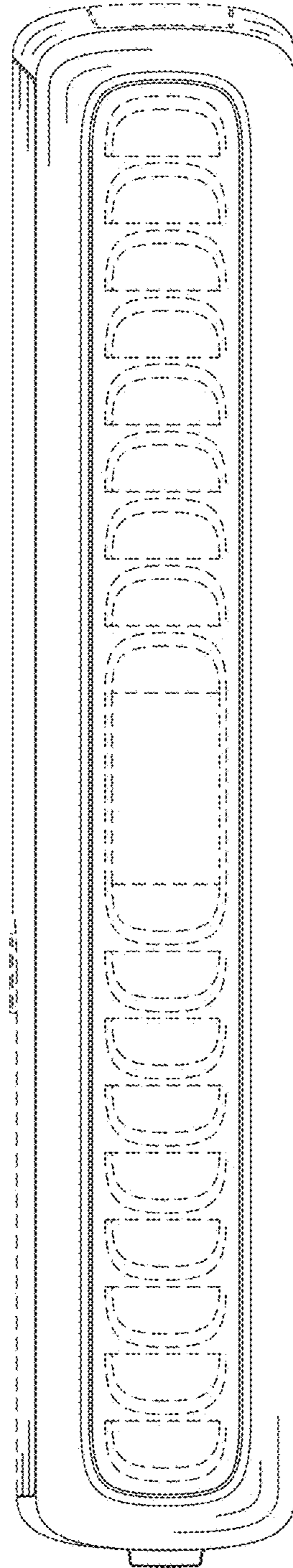


FIG. 5

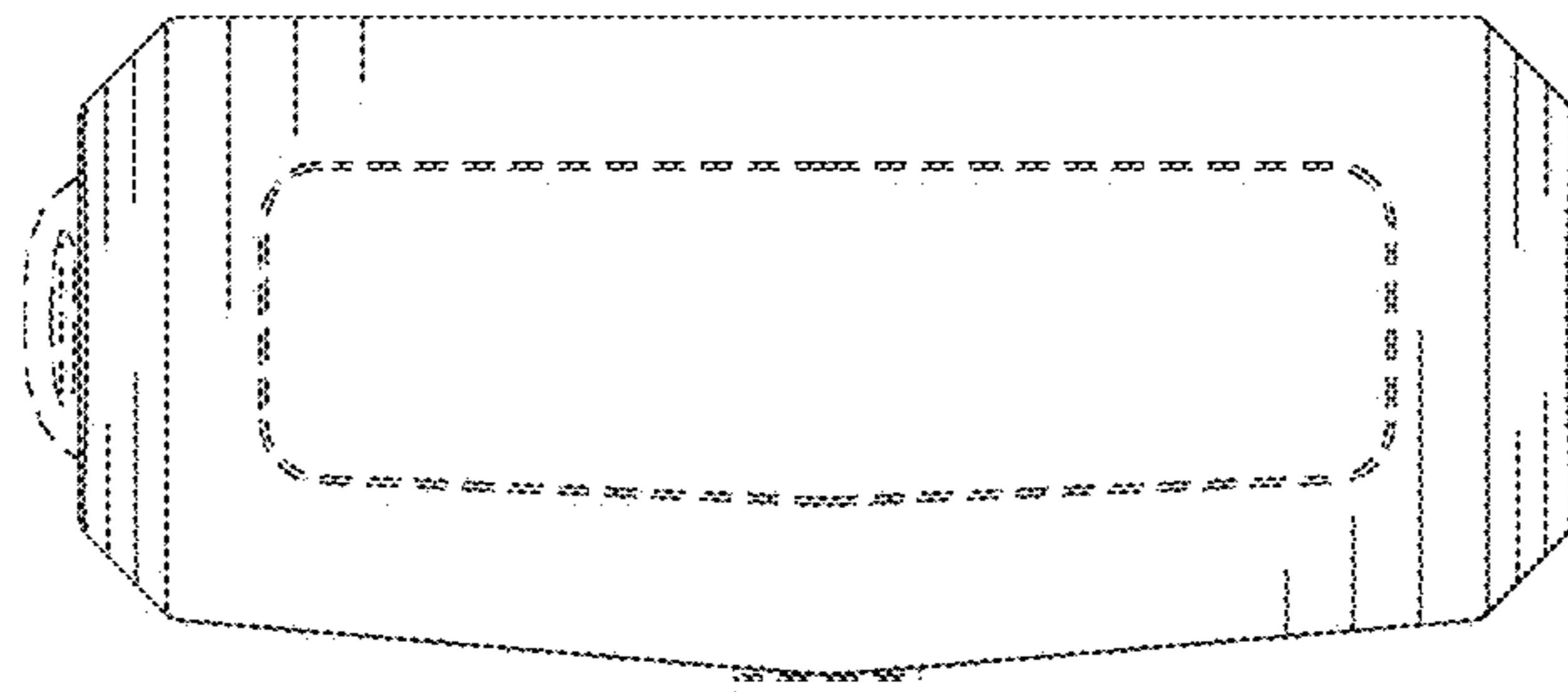


FIG. 6

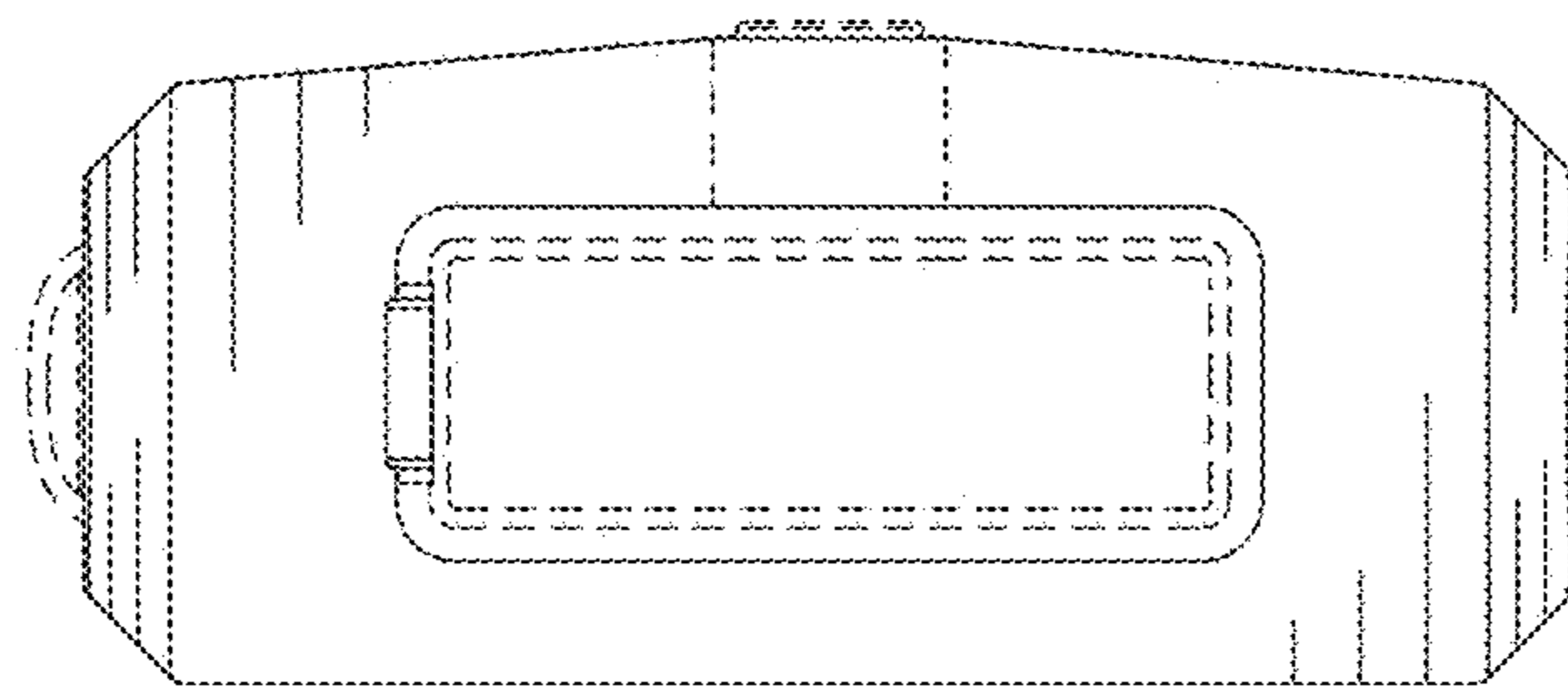


FIG. 7

