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(12) **United States Design Patent** (10) **Patent No.:** **US D924,127 S**
Ouyang (45) **Date of Patent:** **** Jul. 6, 2021**

(54) **BATTERY BOX**

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

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(30) **Foreign Application Priority Data**

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(52) **U.S. Cl.**
USPC **D13/103; D27/101**

(58) **Field of Classification Search**
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D13/184, 199; D14/456, 432
CPC . A24F 7/00; Y02E 60/10; Y02E 60/12; Y02E
60/122; Y02E 60/124; Y02E 60/50;
H01M 2/02; H01M 2/022; H01M 2/0202;
H01M 2/0207; H01M 2/0212; H01M
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H01M 10/44; H01M 10/46; H01M
10/465; H01M 10/482; H01M 2200/30;
H01M 2250/30; H01M 2250/40; H02J
7/00; H02J 7/0003; H02J 7/0011; H02J
7/0013; H02J 7/0054; H02J 7/0055; H02J
7/0057; H02J 2007/0062

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D769,520 S *	10/2016	Hua	.....	D27/167
D788,363 S *	5/2017	Chen	.....	D27/163
D788,364 S *	5/2017	Chen	.....	D27/163
D792,642 S *	7/2017	Mendoza	.....	D27/101
D805,028 S *	12/2017	Liu	.....	D13/103
D805,470 S *	12/2017	Qiu	.....	D13/103
D806,311 S *	12/2017	Smith	D27/162
D807,286 S *	1/2018	Qiu	D13/103
D808,073 S *	1/2018	Leidel	D27/162

(Continued)

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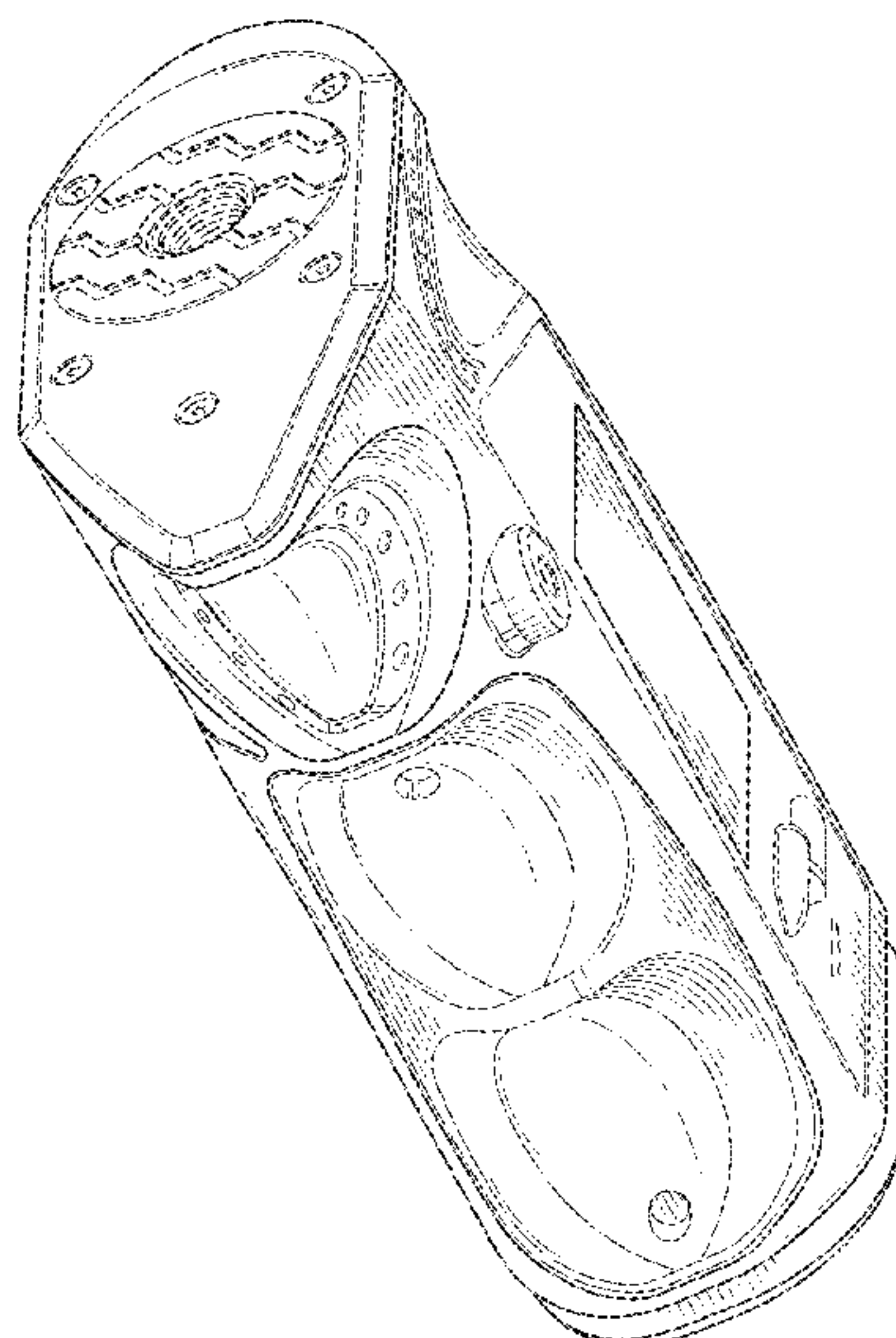
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front, top, perspective View of a first embodiment of a battery box showing my new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a top view thereof;
FIG. 5 is a bottom view thereof;
FIG. 6 is a left side view thereof;
FIG. 7 is a right side view thereof;
FIG. 8 is a front, top, perspective View of a second embodiment of a battery box showing my new design;
FIG. 9 is a front view thereof;
FIG. 10 is a rear view thereof;
FIG. 11 is a top view thereof;
FIG. 12 is a bottom view thereof;
FIG. 13 is a left side view thereof; and,
FIG. 14 is a right side view thereof.
In the drawings, the broken lines represent portions of the article which form no part of the claimed design.

1 Claim, 14 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D818,946	S *	5/2018	Liu	.....	D13/103
D819,880	S *	6/2018	Qiu	.....	D27/101
D821,639	S *	6/2018	Dai	.....	D27/162
D828,953	S *	9/2018	Chen	.....	D27/167
D829,982	S *	10/2018	Wang	.....	D27/167
D842,237	S *	3/2019	Qiu	.....	D13/103
D842,238	S *	3/2019	Qiu	.....	D13/103
D842,243	S *	3/2019	Qiu	.....	D13/108
D861,594	S *	10/2019	Lai	.....	D13/103
D869,086	S *	12/2019	Pan	.....	D27/162
D880,052	S *	3/2020	Mahana	.....	D27/162
D881,458	S *	4/2020	Ouyang	.....	D27/162
2014/0217085	A1 *	8/2014	Alima	.....	A24F 47/008
					219/474
2018/0166238	A1 *	6/2018	Chen	.....	H01M 10/425
2019/0133184	A1 *	5/2019	Chen	.....	A24F 47/008
2020/0008467	A1 *	1/2020	Ouyang	.....	A24F 47/008

* cited by examiner

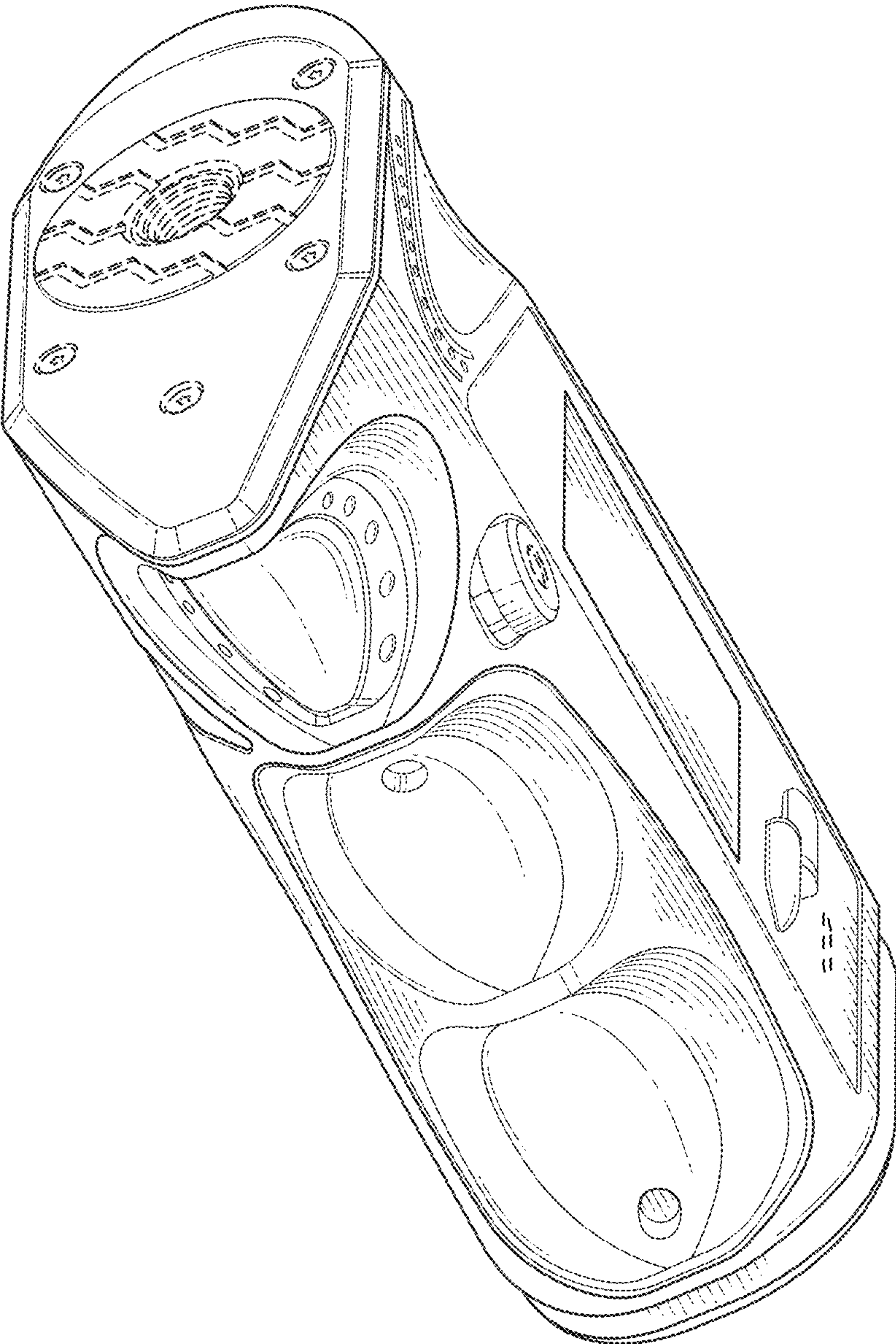


FIG. 1

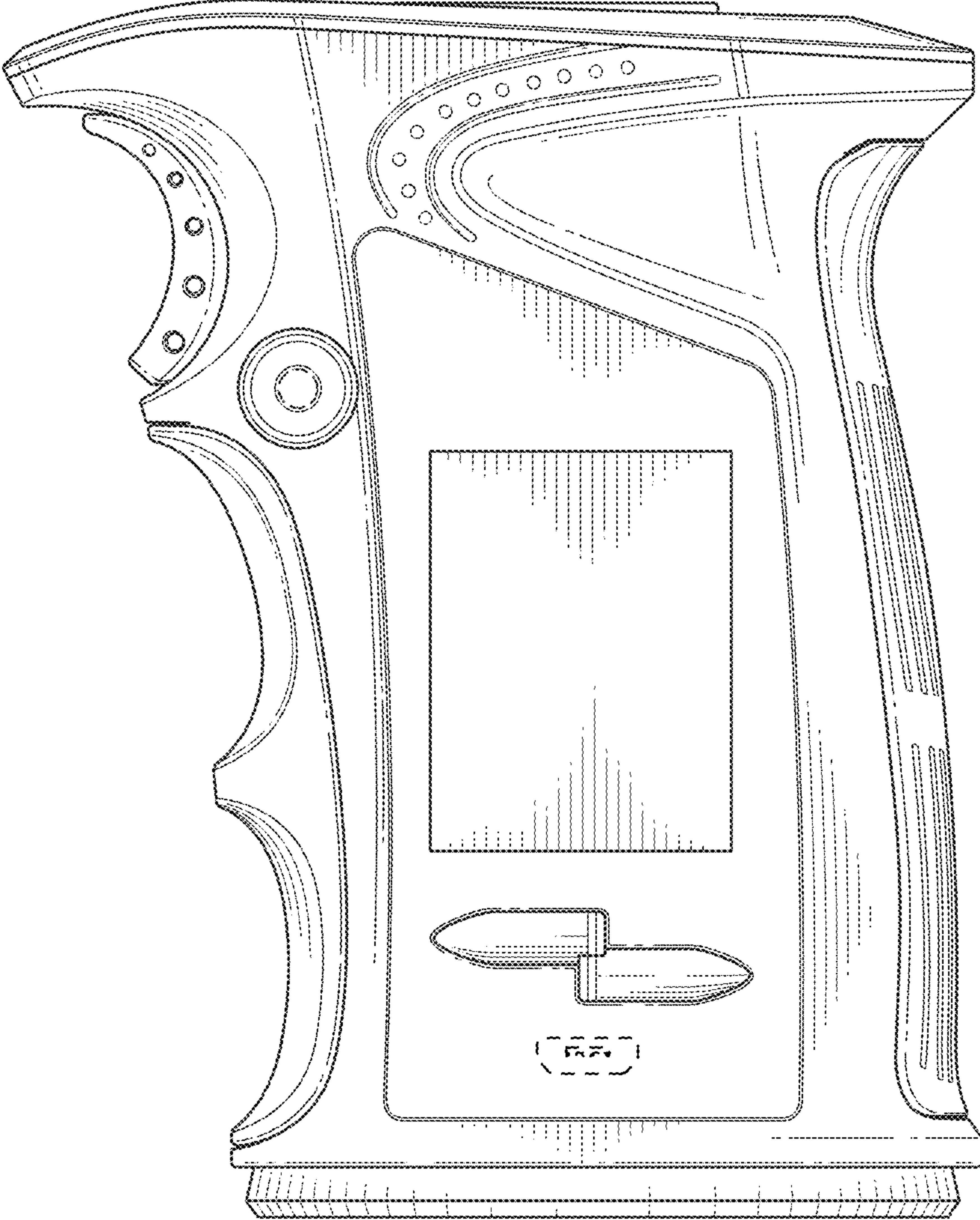


FIG. 2

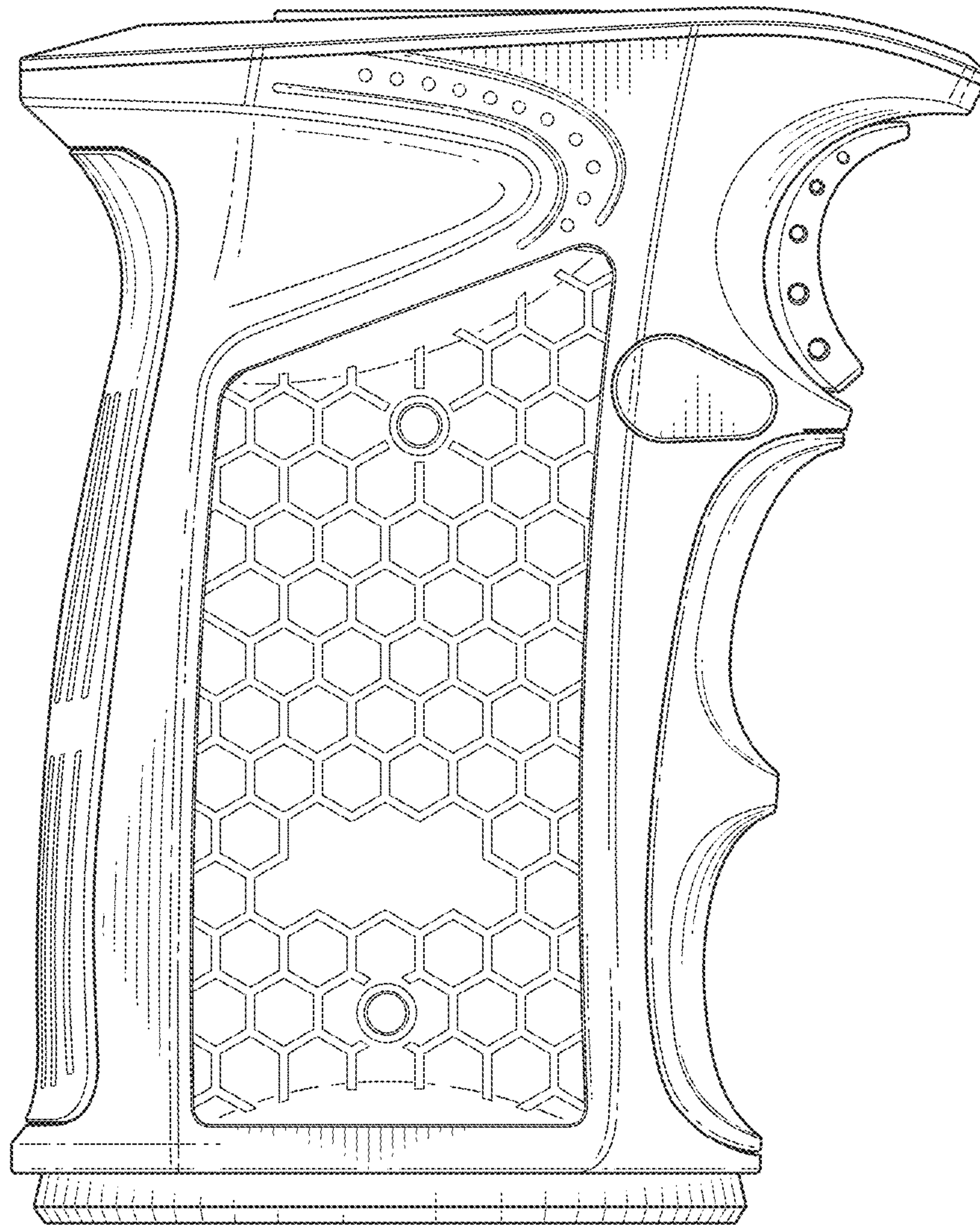


FIG. 3

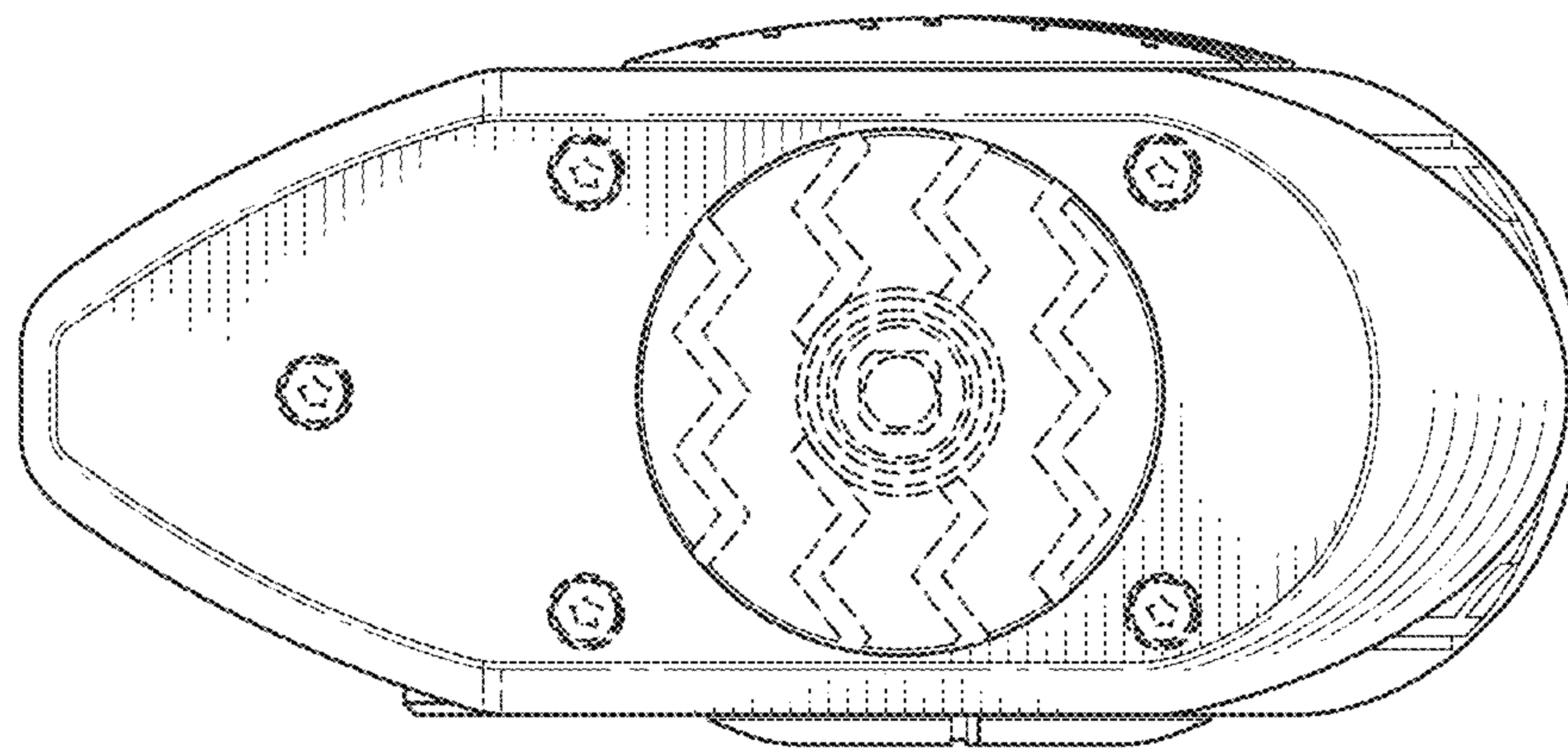


FIG. 4

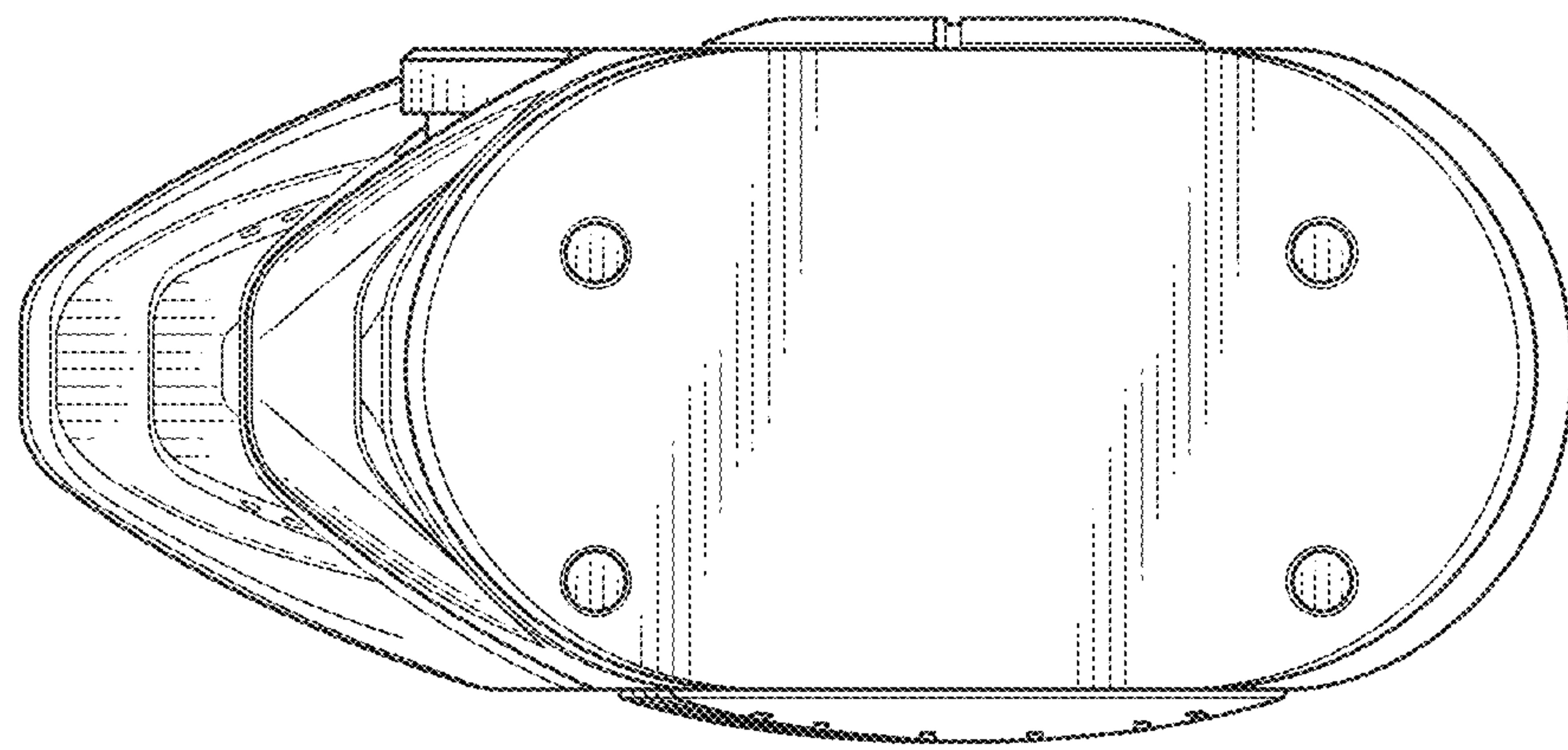


FIG. 5

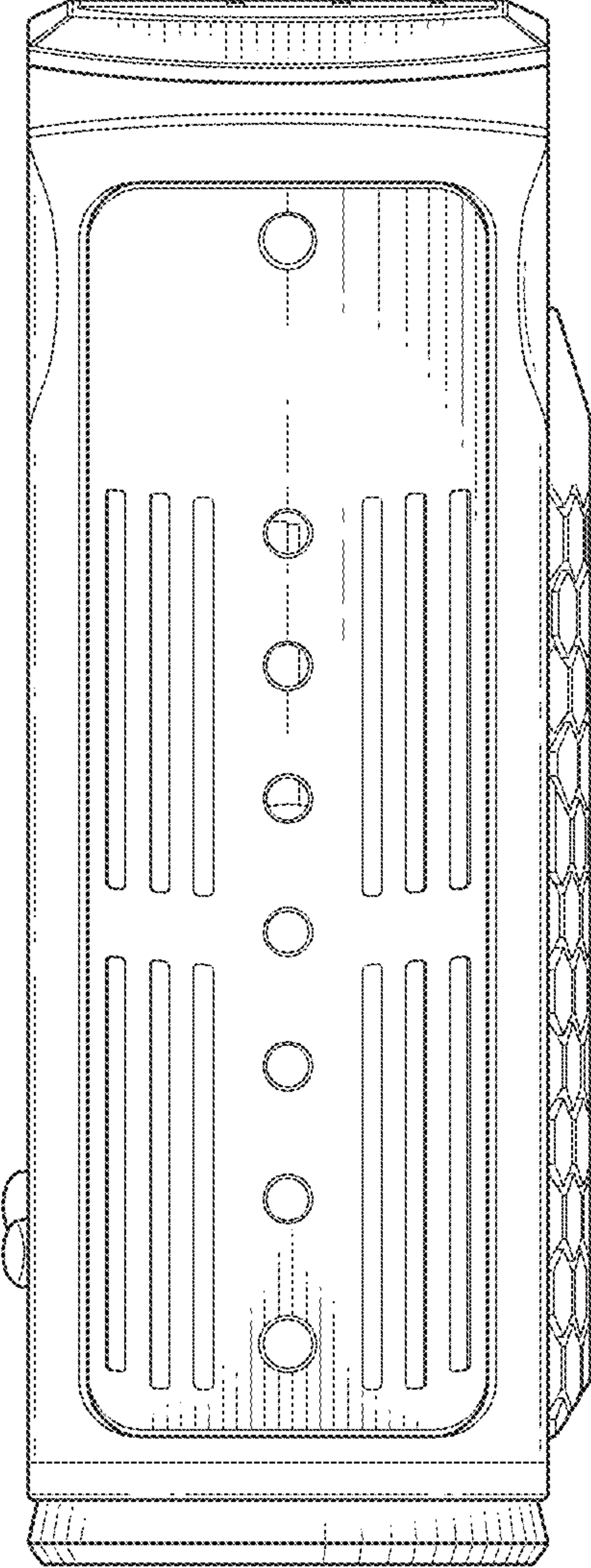


FIG. 6

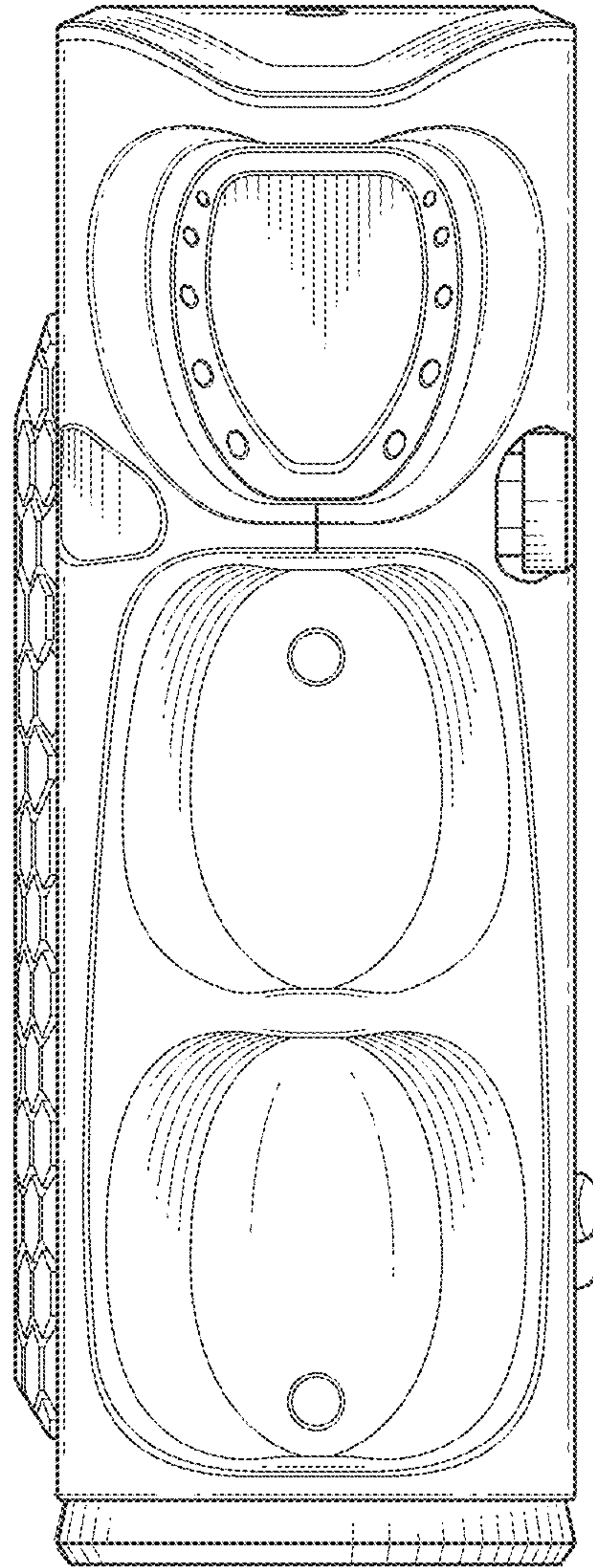


FIG. 7

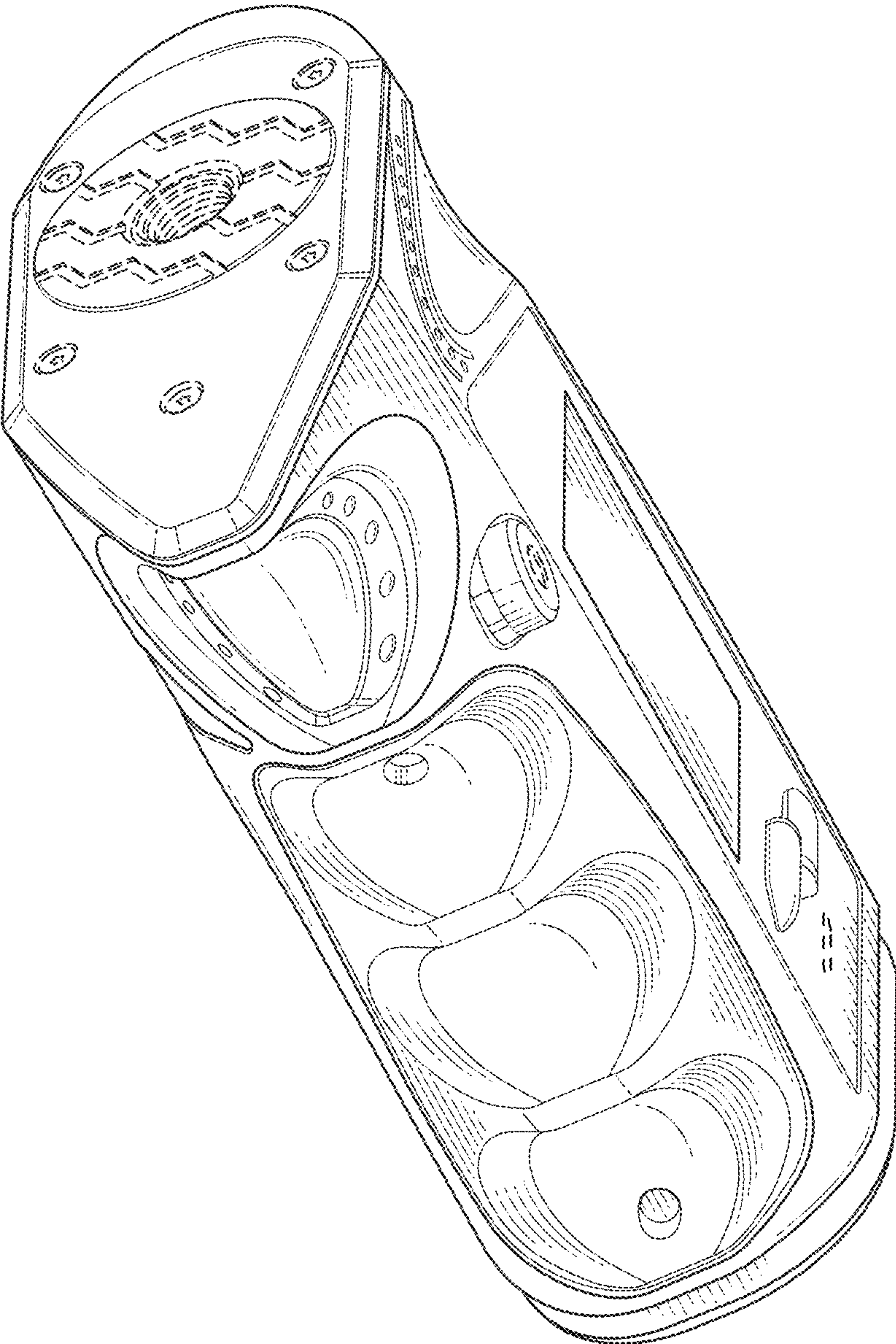


FIG. 8

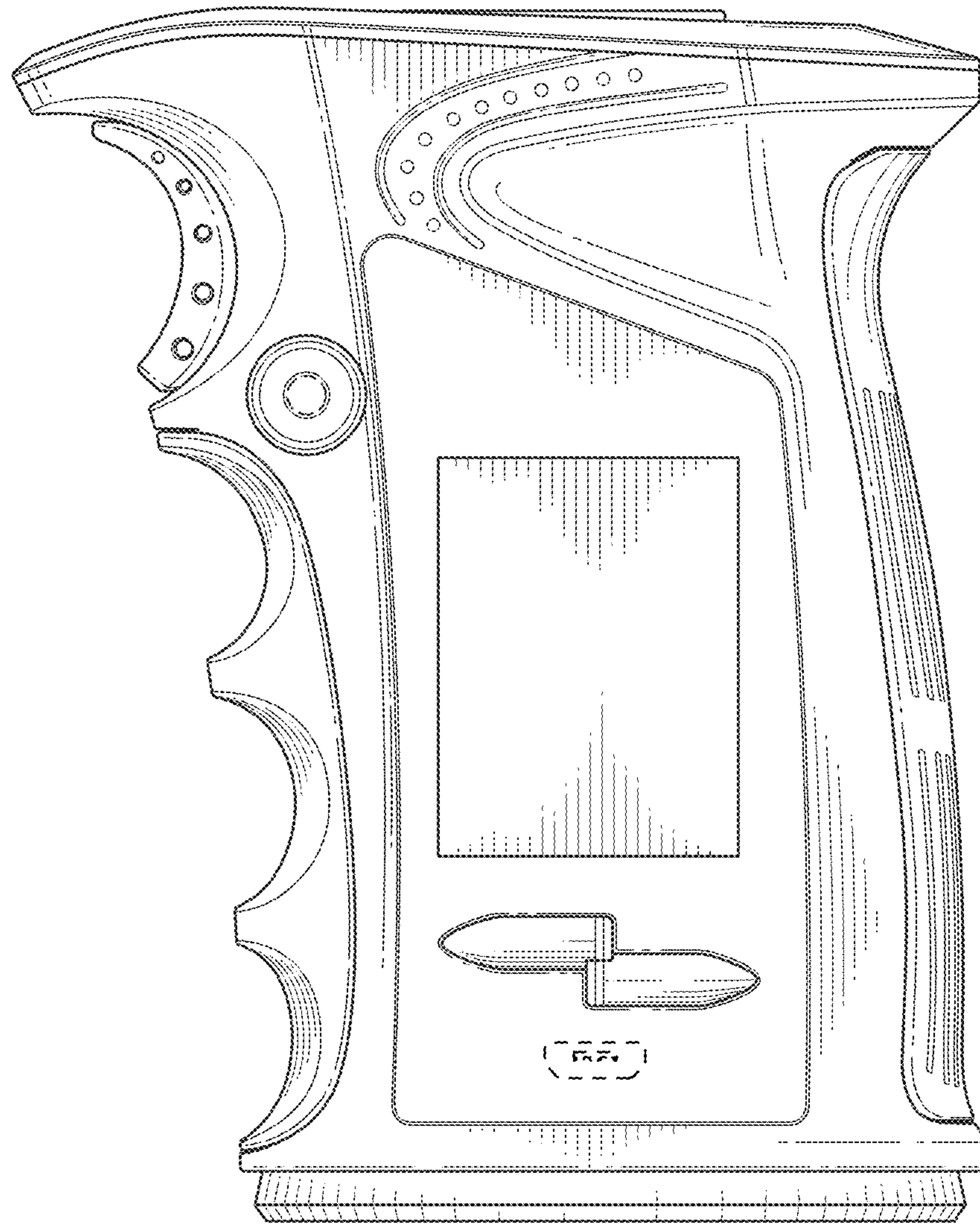


FIG. 9

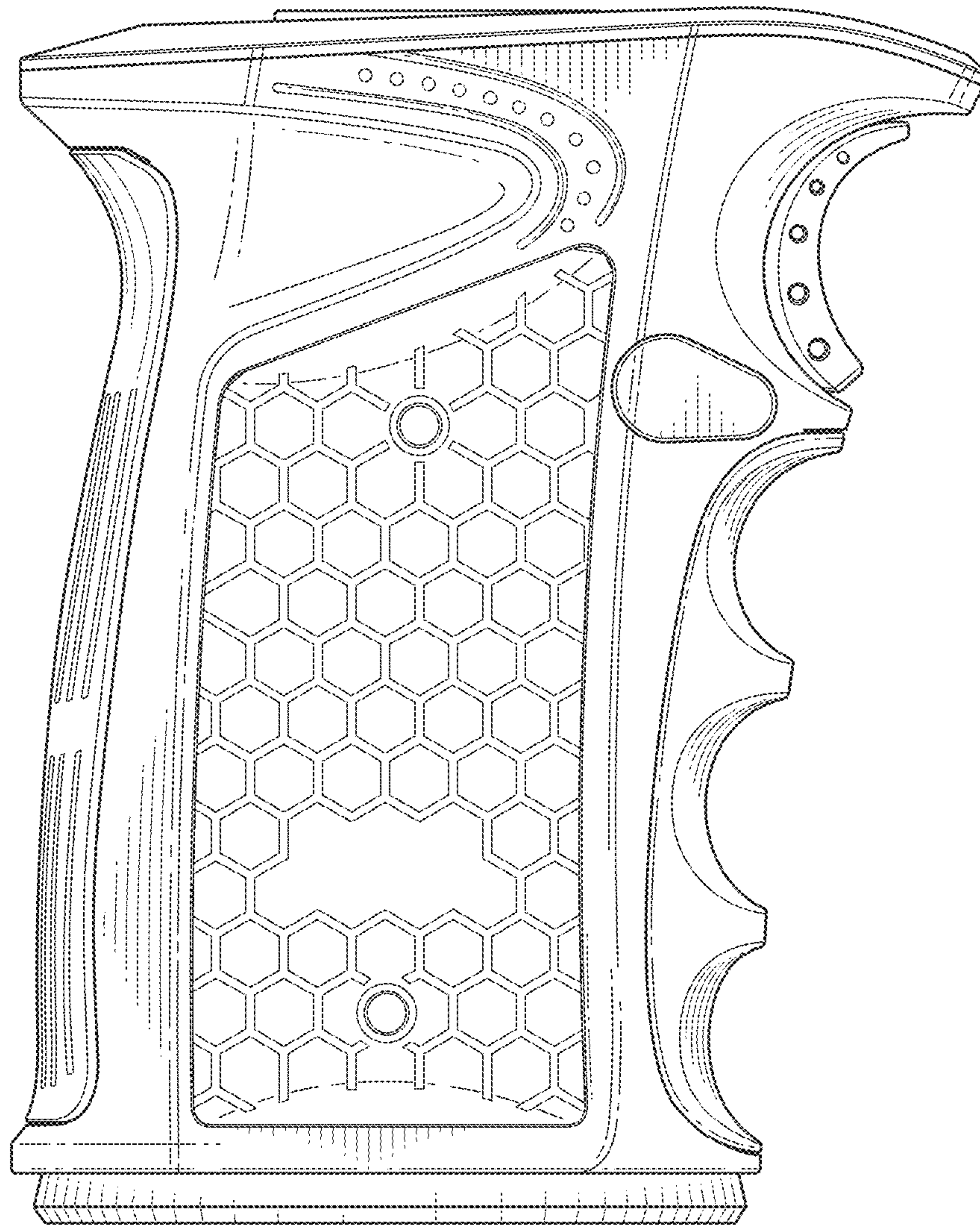


FIG. 10

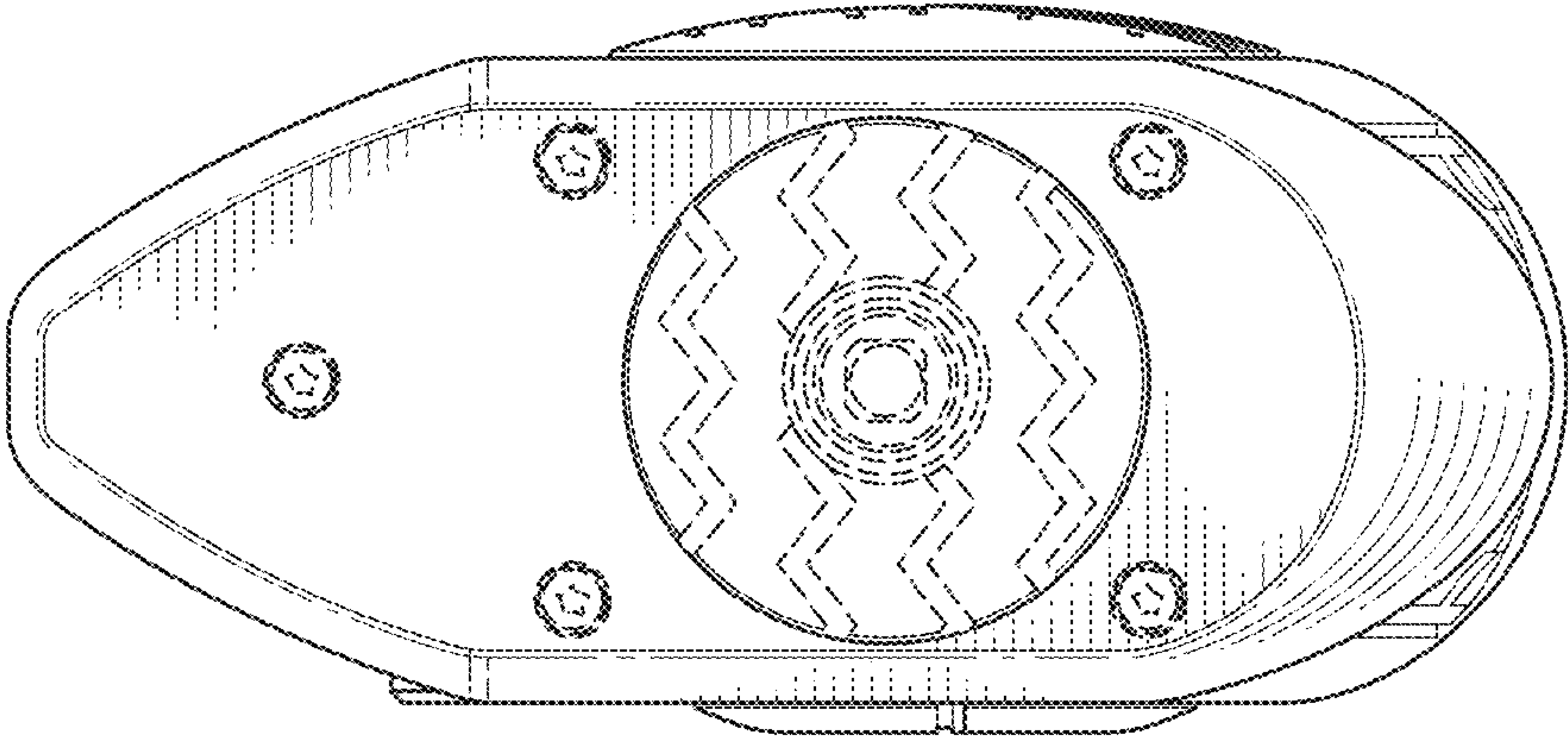


FIG. 11

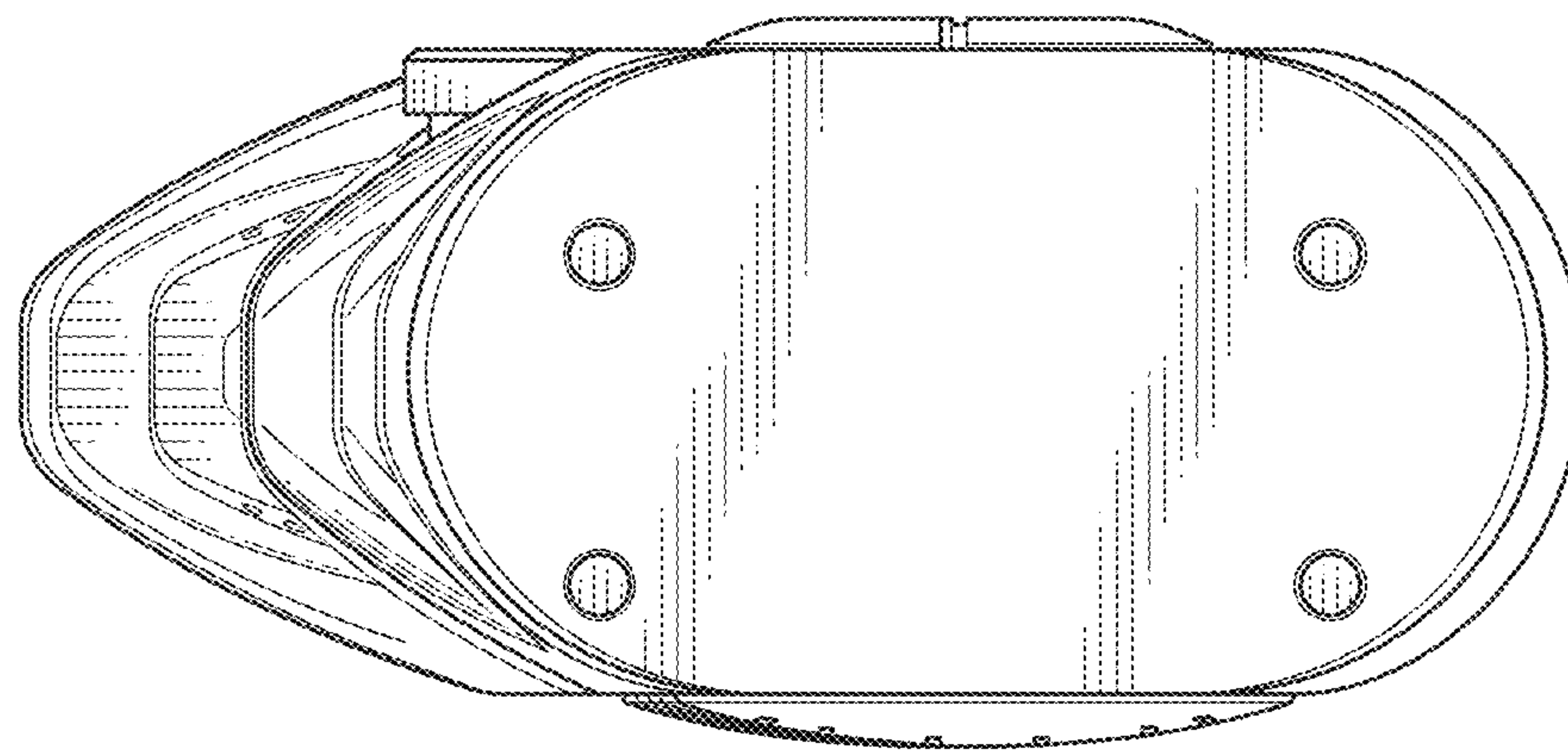


FIG. 12

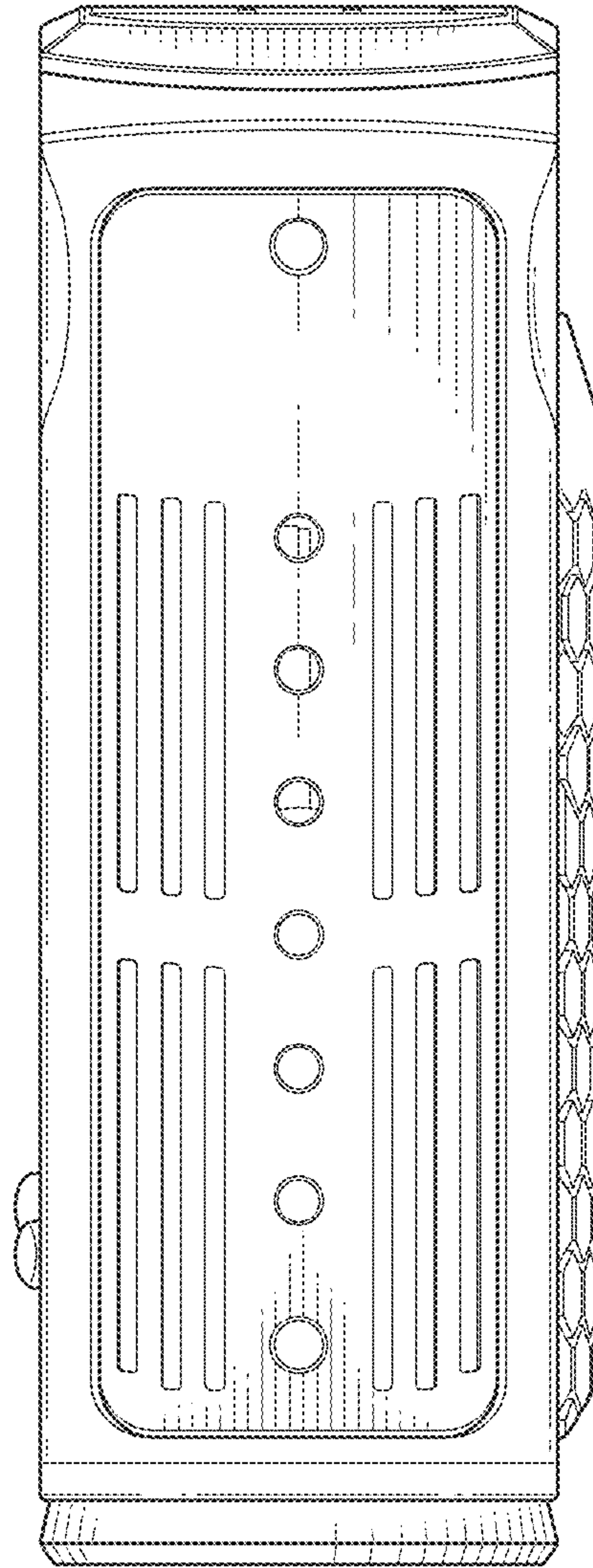


FIG. 13

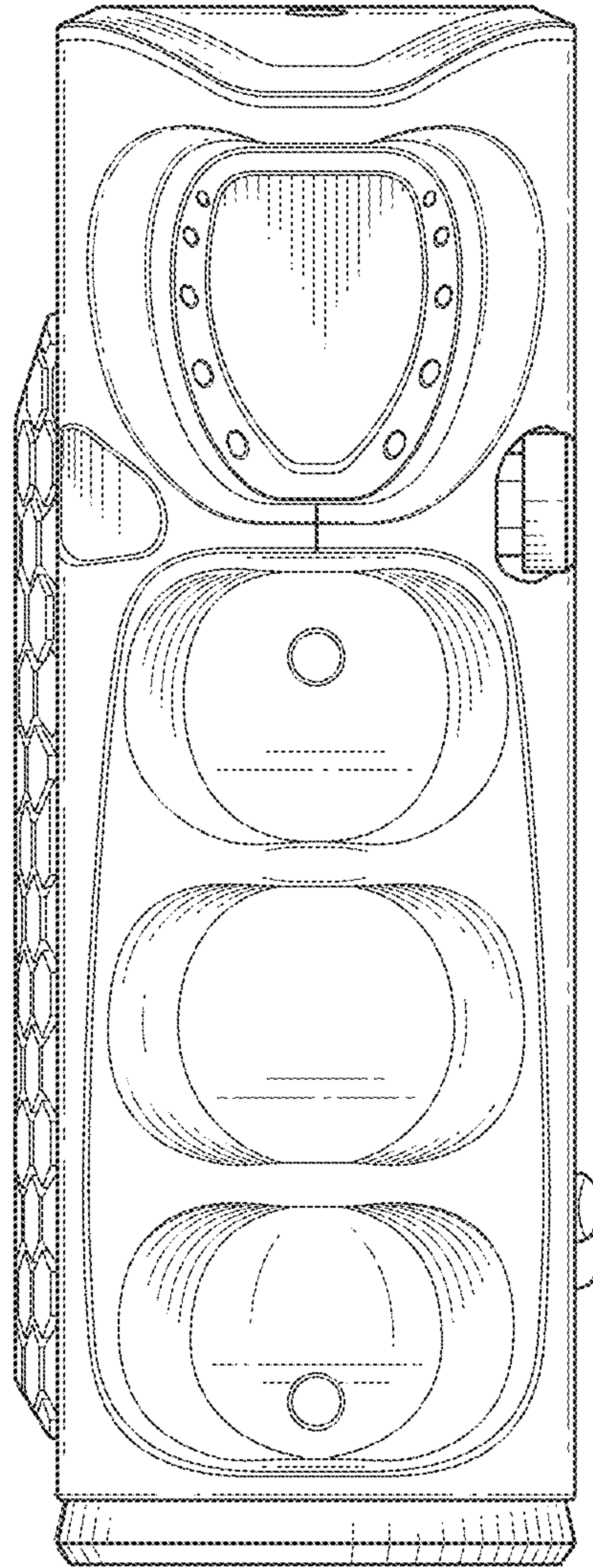


FIG. 14