



US0D1047108S

(12)

United States Design Patent

Ou

(10)

Patent No.:

US D1,047,108 S

(45)

Date of Patent:

** Oct. 15, 2024

(54) AIR PURIFIER

(71) Applicant: Zhongshan Konlon Electrical Technology Co., Ltd, Zhongshan (CN)

(72) Inventor: Amy Ou, Zhongshan (CN)

(73) Assignee: Zhongshan Konlon Electrical Technology Co., Ltd, Zhongshan (CN)

D493,874	S	*	8/2004	Woods	.....	D23/364
D634,413	S	*	3/2011	Wallace	.....	D25/48.8
D637,274	S	*	5/2011	Chan	.....	D23/364
D703,802	S	*	4/2014	Dios	.....	D23/359
D704,321	S	*	5/2014	Jardine	.....	D23/365
D725,253	S	*	3/2015	Choi	.....	D23/359
D762,832	S	*	8/2016	Gale	.....	D23/365
D766,415	S	*	9/2016	Kim	.....	D23/364
D779,646	S	*	2/2017	Michel	.....	D23/354
D800,285	S	*	10/2017	Seo	.....	D23/358

(Continued)

(**) Term: 15 Years

(21) Appl. No.: 29/854,528

(22) Filed: Sep. 26, 2022

(30) Foreign Application Priority Data

Aug. 23, 2022 (CN) 202230552183.3

(51) LOC (14) Cl. 23-04

(52) U.S. Cl. D23/364

USPC D23/364

(58) Field of Classification Search

USPC D23/364, 365, 356, 360, 359, 354

CPC F24F 2006/008; F24F 8/00; F24F 8/80

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D179,839	S	*	3/1957	Dreyfuss	.....	D23/354
D200,678	S	*	3/1965	Minick	.....	D23/354
D272,086	S	*	1/1984	Gehlke	.....	D23/364
D275,029	S	*	8/1984	Boldt	.....	D23/335
D292,311	S	*	10/1987	Joyaux	.....	D23/366
D299,524	S	*	1/1989	Din-Her	.....	D23/314
D310,713	S	*	9/1990	Klein	.....	D23/365
D330,757	S	*	11/1992	DeLaney	.....	D23/364
D349,565	S	*	8/1994	Burns	.....	D23/351
5,782,944	A	*	7/1998	Justice	.....	B01D 46/10
						55/497
D435,096	S	*	12/2000	Meeks	.....	D23/356
D453,822	S	*	2/2002	Meeks	.....	D23/356

OTHER PUBLICATIONS

Newpad Store Date first available on Amazon Oct. 19, 2023 [online], [retrieved Jul. 10, 2024]. Retrieved from internet, <https://www.amazon.com/Purifiers-Bedroom-Wall-Mounted-Purifier-Activated/dp/B0CLCFJX9B> (Year: 2023).*

(Continued)

Primary Examiner — S. Bryan Reinholdt, Jr.
Assistant Examiner — Kyle A. Edelmaier
(74) Attorney, Agent, or Firm — Birchwood IP

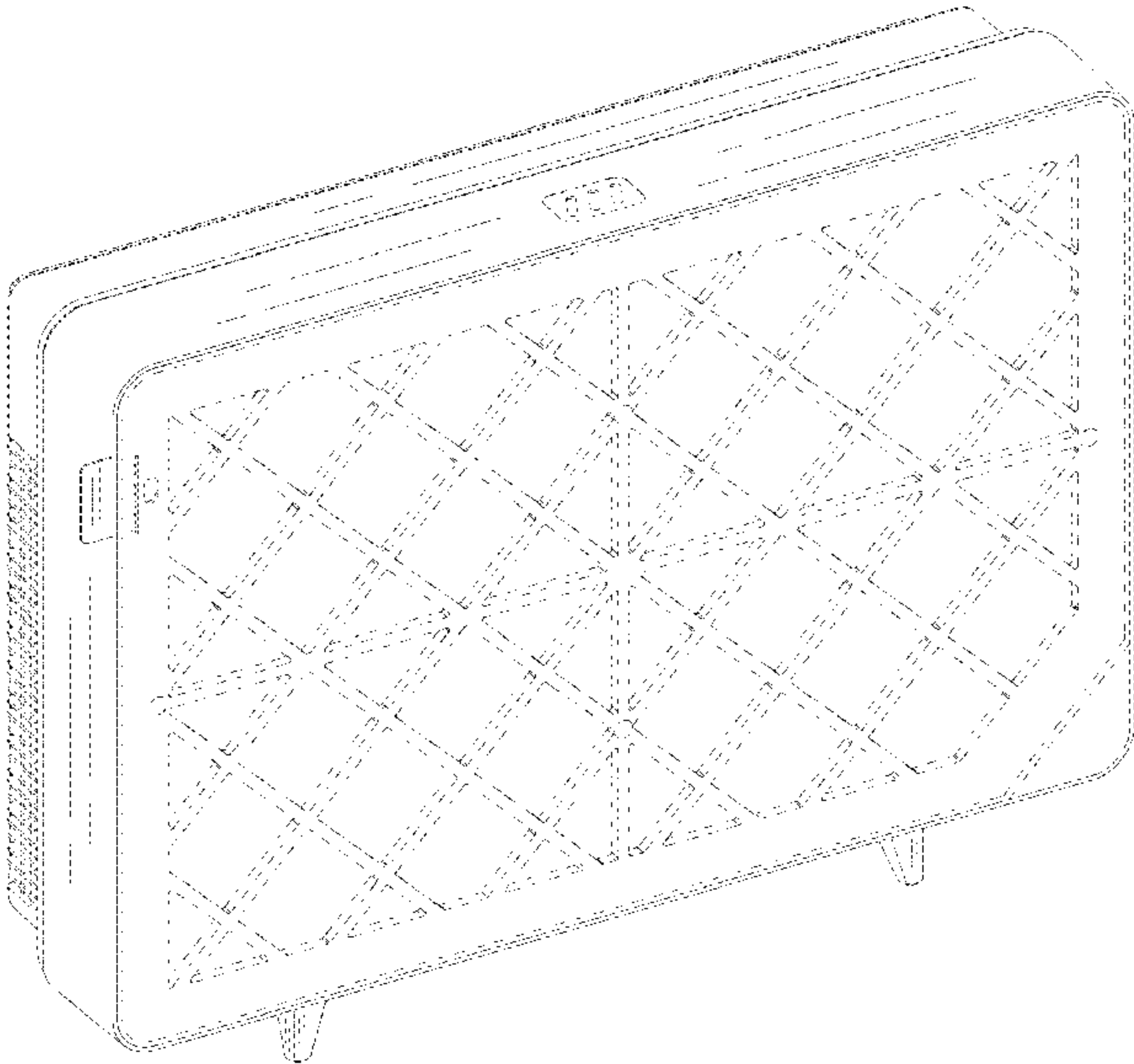
(57) CLAIM

The ornamental design for a air purifier, as shown and described.

DESCRIPTION

FIG. 1 is a front, top and left side perspective view of an air purifier, showing my new design;
FIG. 2 is a front view thereof;
FIG. 3 is a rear view thereof;
FIG. 4 is a left side view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken line showing of the air purifier is for the purpose of illustrating article and forms no part of the claimed design.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D829,312 S * 9/2018 Riering-Czekalla D23/364
D841,783 S * 2/2019 Hu D23/264
D850,596 S * 6/2019 Seo D23/366
D855,784 S * 8/2019 Li D23/358
D869,629 S * 12/2019 Li D23/366
D886,271 S * 6/2020 Lu D23/359
D888,919 S * 6/2020 Riering-Czekalla D23/364
D895,092 S * 9/2020 Peng D23/356
D903,076 S * 11/2020 Copparstad D23/364
D917,683 S * 4/2021 Xie D23/359
D918,367 S * 5/2021 Li D23/359
D918,368 S * 5/2021 Wheeler D23/364
D918,371 S * 5/2021 Zeng D23/364
D919,071 S * 5/2021 Zheng D23/364
D919,781 S * 5/2021 Nakamura D23/364
D933,798 S * 10/2021 Wang D23/364
D935,590 S * 11/2021 Xu D23/364
D935,591 S * 11/2021 Xu D23/364
D935,593 S * 11/2021 Andres D23/366
D936,808 S * 11/2021 Booth-Dawson D23/364
D938,567 S * 12/2021 Du D23/365
D939,679 S * 12/2021 Yoon D23/356
D942,604 S * 2/2022 Yang D23/364
D943,724 S * 2/2022 Nikitas D23/364
D945,587 S * 3/2022 Yan D23/364
D946,732 S * 3/2022 Xu D23/364
D947,342 S * 3/2022 Xu D23/364
D948,010 S * 4/2022 Xu D23/356
D948,694 S * 4/2022 Wang D23/364
D949,311 S * 4/2022 Yan D23/364
D951,416 S * 5/2022 Yan D23/364
D951,417 S * 5/2022 Yan D23/364
D952,821 S * 5/2022 Jaanus D23/364
D953,509 S * 5/2022 Yan D23/364
D956,291 S * 6/2022 Xu D26/37
D956,941 S * 7/2022 Yan D23/364
D961,749 S * 8/2022 Wang D23/359
D962,411 S * 8/2022 Ou D23/364
D969,984 S * 11/2022 Xu D23/356
D976,379 S * 1/2023 Wahl D23/364

D983,336 S * 4/2023 Han D23/318
D986,402 S * 5/2023 Xu D23/370
D987,802 S * 5/2023 Chen D23/364
D992,707 S * 7/2023 Xu D23/335
D993,375 S * 7/2023 Huo D23/364
D998,124 S * 9/2023 Yang D23/364
D998,125 S * 9/2023 Li F24F 8/80
D23/364
D999,880 S * 9/2023 Xie D23/356
D1,002,830 S * 10/2023 Zhang D23/365
D1,005,466 S * 11/2023 Zhang D23/356
D1,006,974 S * 12/2023 Shen D23/365
D1,010,787 S * 1/2024 Li D23/359
D1,012,258 S * 1/2024 Jeon D23/364
D1,014,727 S * 2/2024 Smith D23/364
D1,023,270 S * 4/2024 Yan D23/364
D1,032,818 S * 6/2024 Huang D23/356
2016/0106876 A1 * 4/2016 Jih B01F 23/231
261/32
2019/0226696 A1 * 7/2019 Kim F24F 6/04
2019/0226698 A1 * 7/2019 Kim F24F 6/12
2022/0032224 A1 * 2/2022 An F24F 13/065
2022/0243934 A1 * 8/2022 Kim F24F 13/20
2022/0290882 A1 * 9/2022 Long F24F 13/20
2023/0221019 A1 * 7/2023 Wesley F24F 13/06
55/282
2024/0200807 A1 * 6/2024 Choi F24F 6/12

OTHER PUBLICATIONS

Newpad Store2 Date first available on Amazon Jan. 8, 2024 [online], [retrieved Jul. 10, 2024]. Retrieved from internet, <https://www.amazon.com/dp/B0CRRCX3HT> (Year: 2024).*
Newpad Store3 Date first available on Amazon Jun. 8, 2023 [online], [retrieved Jul. 10, 2024]. Retrieved from internet, <https://www.amazon.com/Purifiers-Wall-Mounted-Bedroom-Capture-Particles/dp/B0C7HVFERSW> (Year: 2023).*
ADSE Date first available on Amazon Sep. 21, 2022 [online], [retrieved Jul. 10, 2024]. Retrieved from internet, <https://www.amazon.sa/-/en/Electric-Wall-Mounted-Energy-Saving-Waterproof-Convection/dp/B0BG2C4CWM> (Year: 2022).*

* cited by examiner

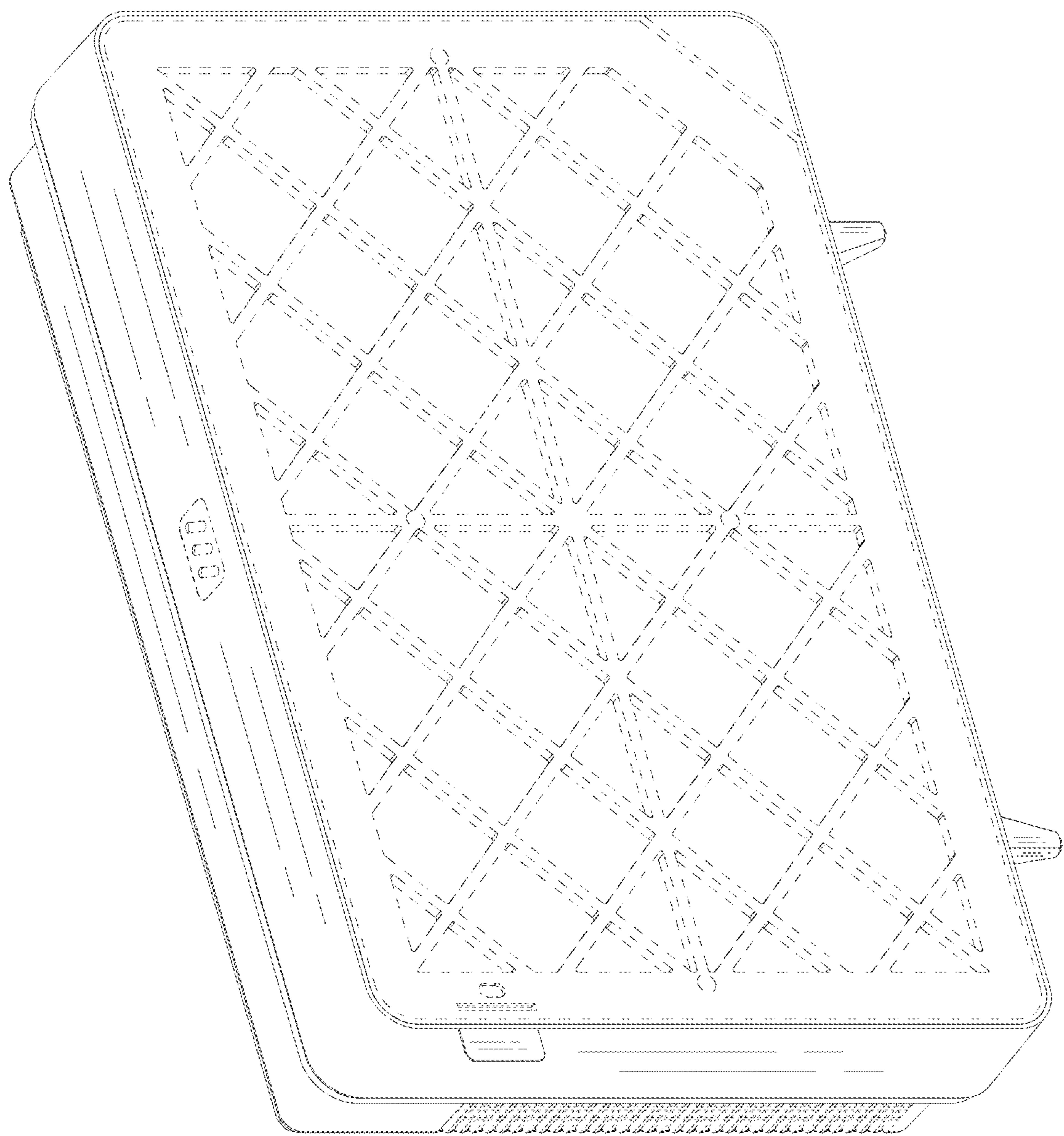


FIG. 1

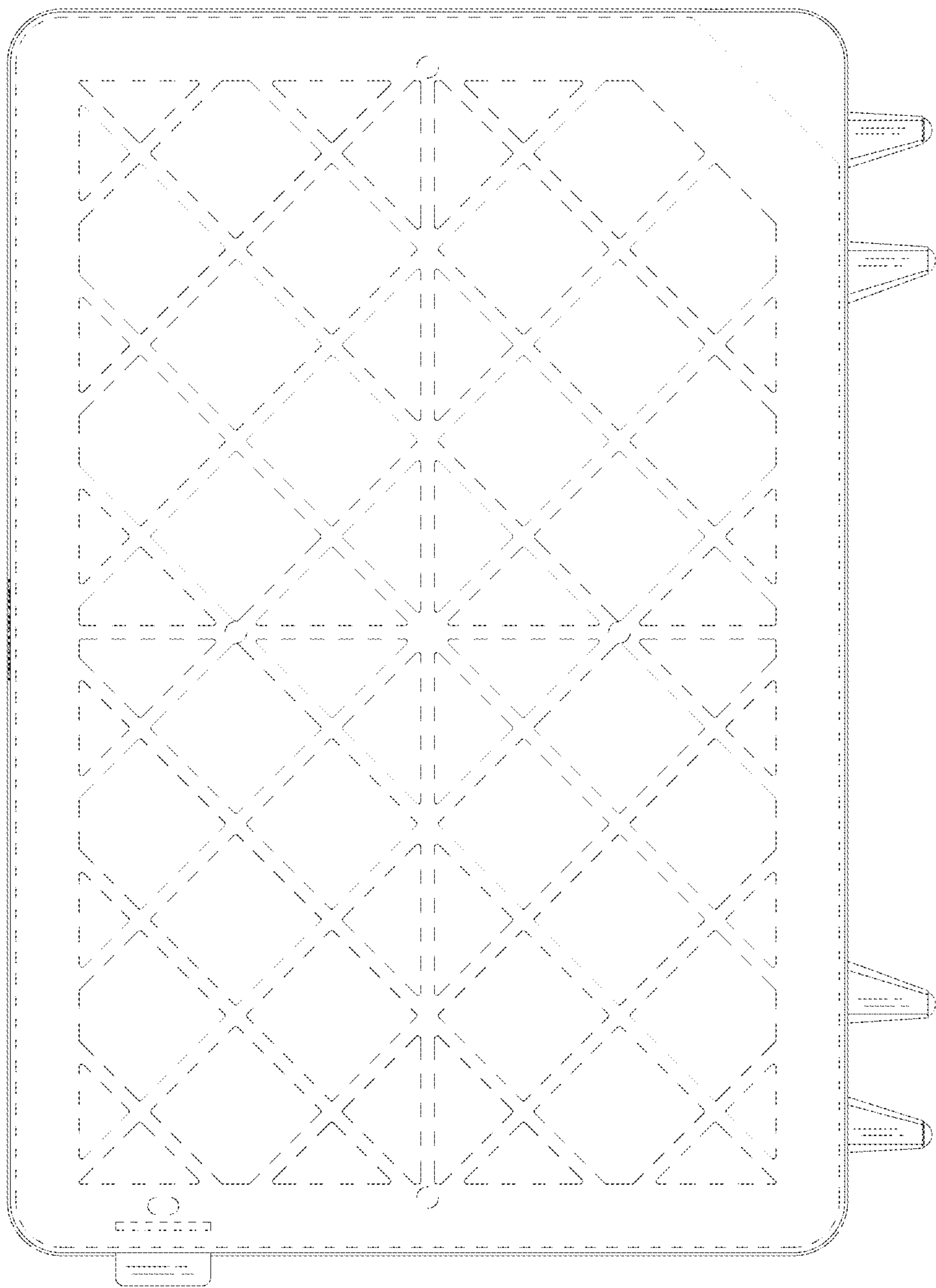


FIG. 2

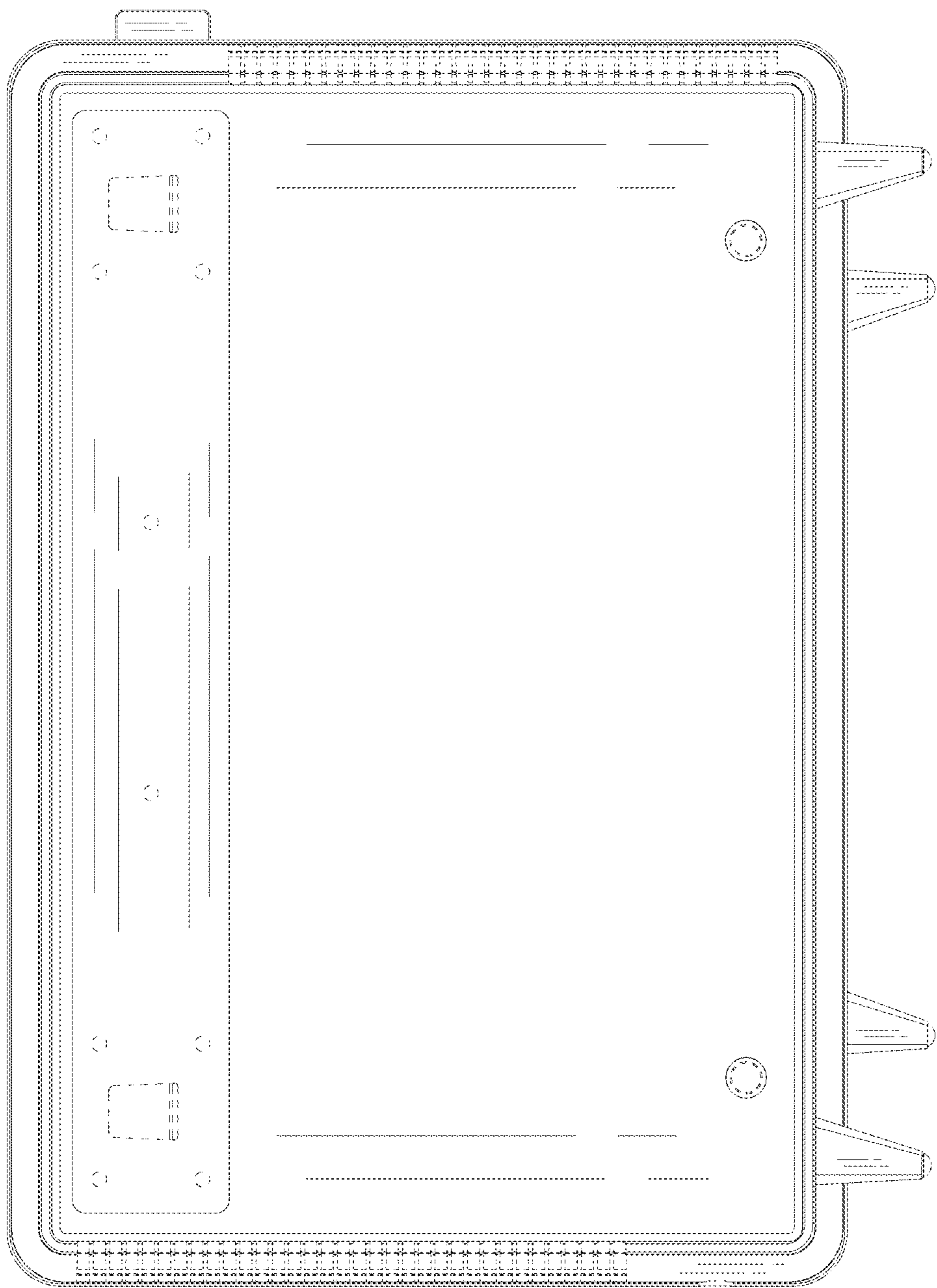


FIG. 3

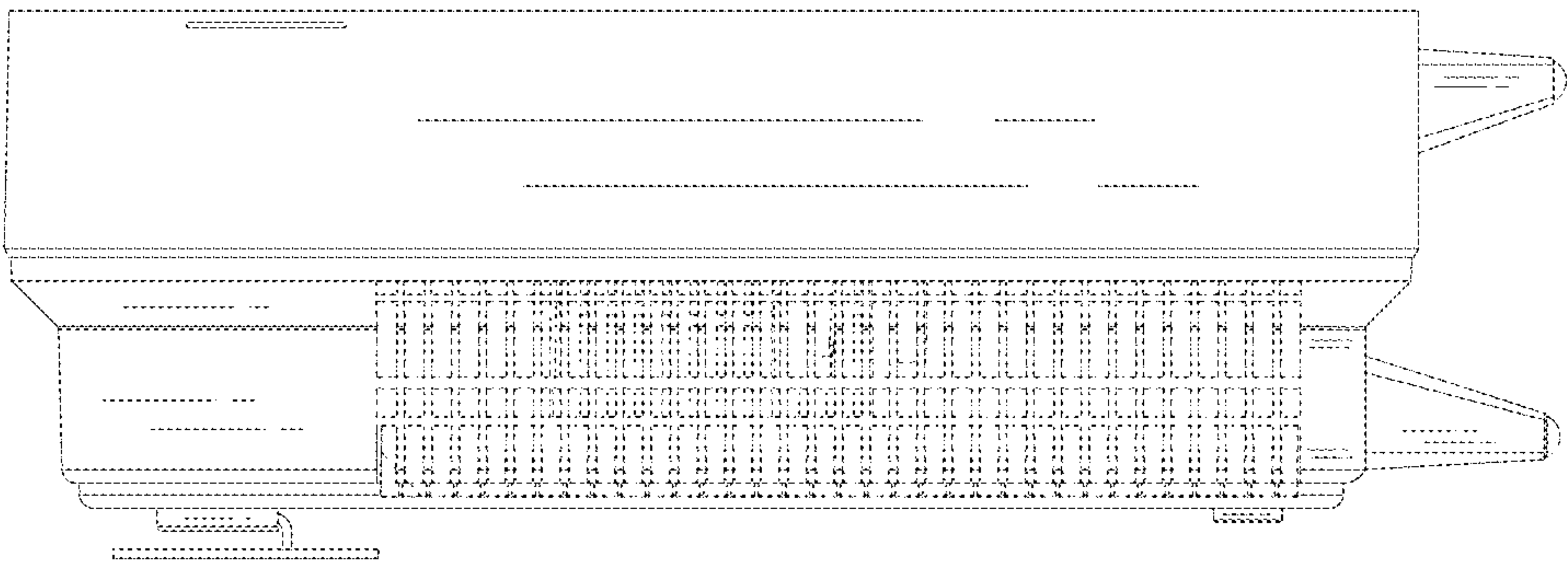


FIG. 4

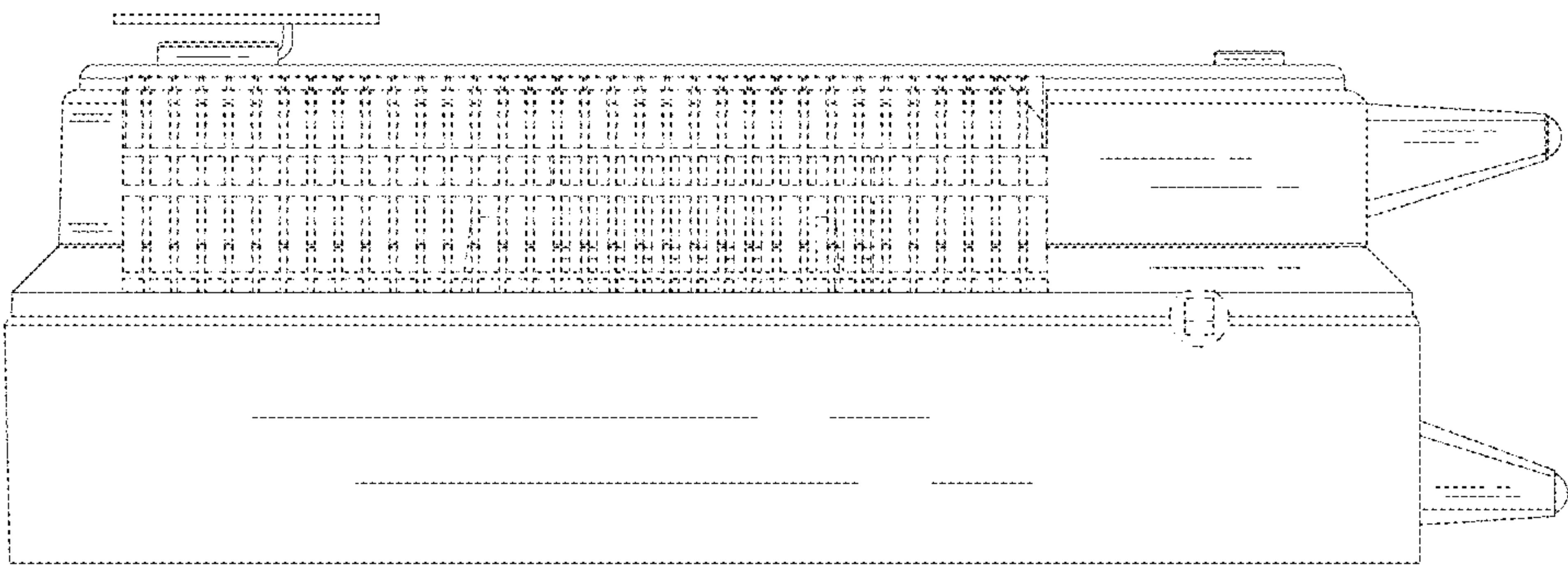


FIG. 5

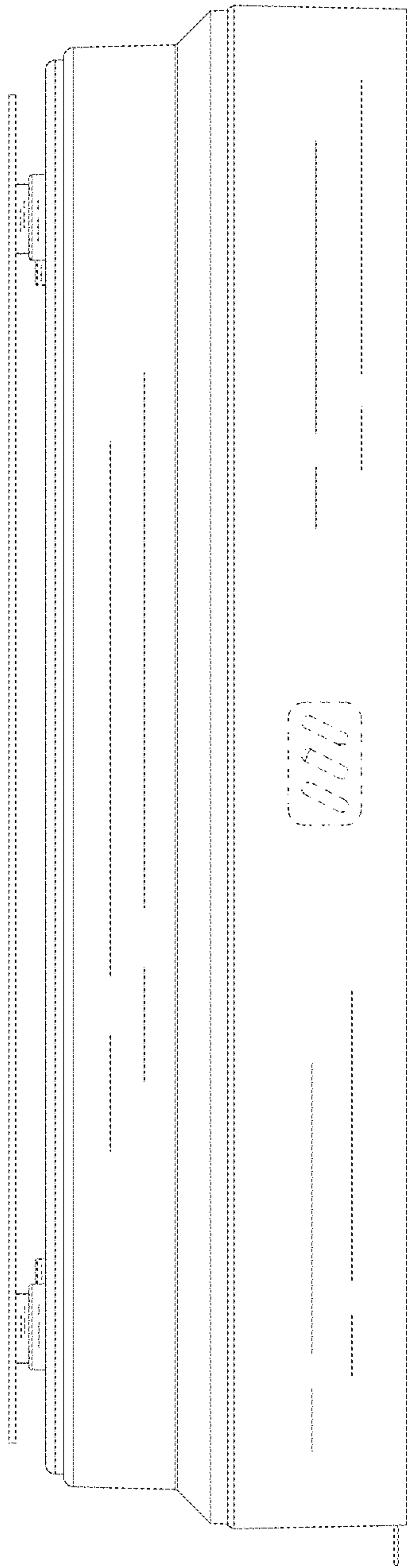


FIG. 6

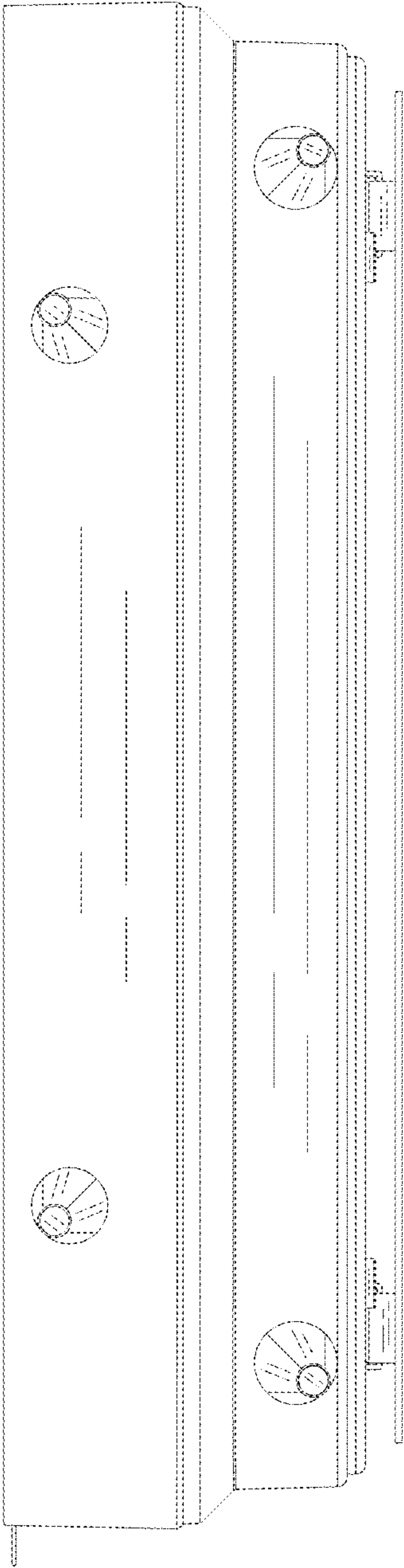


FIG. 7