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(12) **United States Design Patent**  
**Chen**

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(54) **AIR COOLER**

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(52) **U.S. Cl.**  
USPC ..... **D23/333**

(58) **Field of Classification Search**  
USPC ..... D23/328, 332, 333, 370, 378–383, 385,  
D23/335–337, 341, 351, 352, 354,  
D23/411–414, 355, 356, 364  
CPC ..... F04D 25/084; F04D 25/086; F25D 17/067  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D104,119 S *	4/1937	Schwarz	.....	D23/382
D282,101 S *	1/1986	Yuen	.....	D23/328
D282,102 S *	1/1986	Yuen	.....	D23/328
D373,414 S *	9/1996	Bucher	.....	D23/332
6,321,034 B2 *	11/2001	Jones-Lawlor	.....	F04D 25/105 392/367
D548,315 S *	8/2007	Lin	.....	D23/364
D618,328 S *	6/2010	Chan	.....	D23/364
D637,705 S *	5/2011	Park	.....	D23/360
D827,115 S *	8/2018	Petersen	.....	D23/333
D838,824 S *	1/2019	Sun	.....	D23/364
D848,593 S *	5/2019	Exley	.....	D23/351
D849,220 S *	5/2019	Fang	.....	D23/364
D852,340 S *	6/2019	Barlettano	.....	D23/333

D863,524 S *	10/2019	Shin	.....	D23/364
D874,623 S *	2/2020	Lupi	.....	D23/333
D884,860 S *	5/2020	Zhang	.....	D23/351
D896,936 S *	9/2020	Ou	.....	D23/333
D900,986 S *	11/2020	Chan	.....	D23/335
D903,073 S *	11/2020	Li	.....	D23/333
2020/0300531 A1 *	9/2020	Barlettano	.....	F24F 13/28

**OTHER PUBLICATIONS**

Air-cooler (S9), Registration No. 305348697, Application No. 201930157925.0, application date Apr. 9, 2019, date published Sep. 13, 2019, Publication Country China, site visited Mar. 22, 2021, available at [www.orbit.com](http://www.orbit.com).\*

Portable Mini Air Conditioner Fan Personal Space Air Cooler Home Air Conditioning Humidifier USB Air Cooling Fan for Home Office, date first reviewed Sep. 25, 2020, site visited Mar. 22, 2021, <<https://www.aliexpress.com/item/4000918581606.html>>.\*

\* cited by examiner

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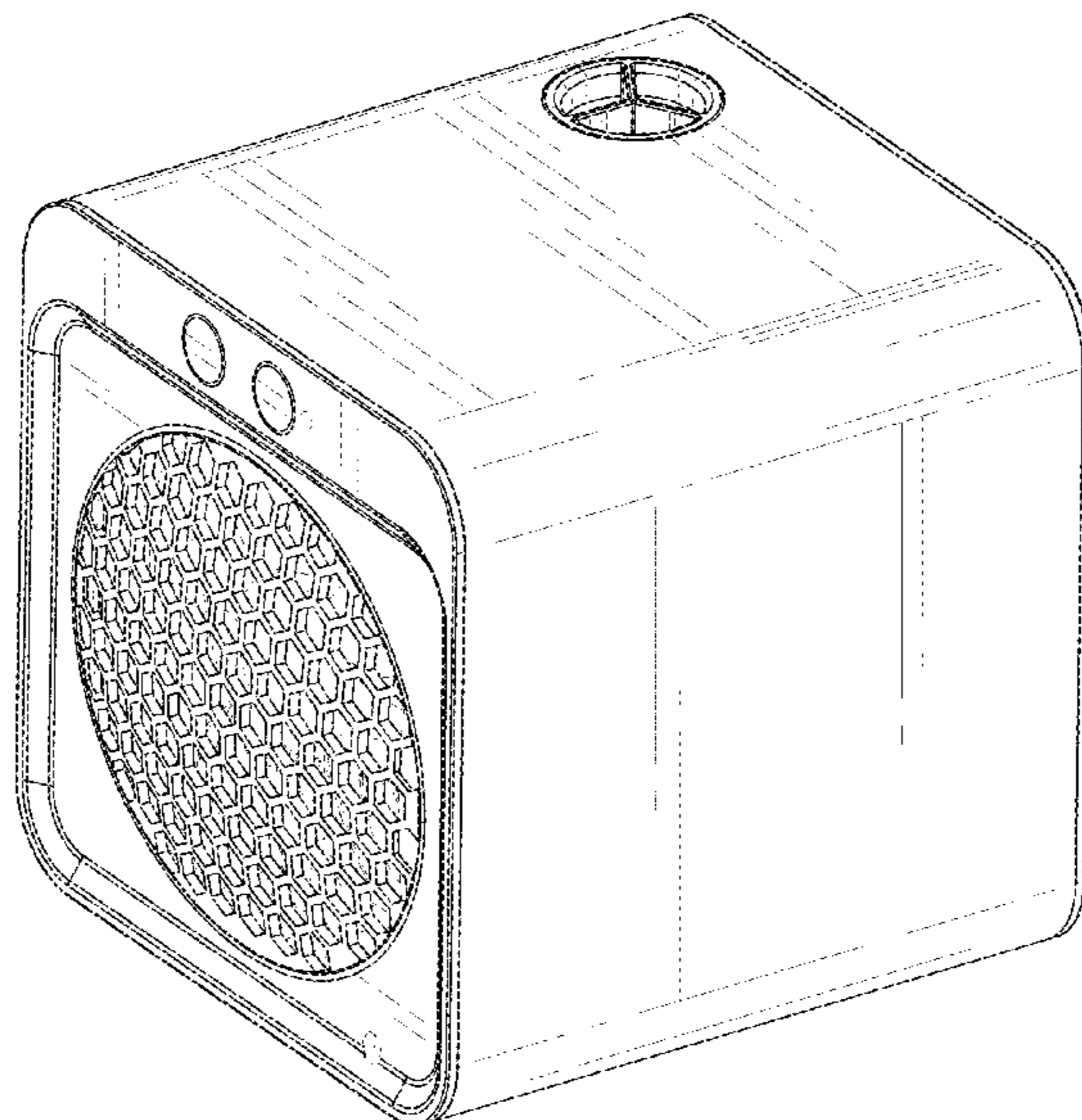
(57) **CLAIM**

I claim the ornamental design for an air cooler, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of an air cooler showing my 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 view thereof;  
FIG. 6 is a bottom view thereof;  
FIG. 7 is a front perspective view thereof; and,  
FIG. 8 is a rear perspective view thereof.  
The broken lines shown in the drawings represent portions of the air cooler and form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



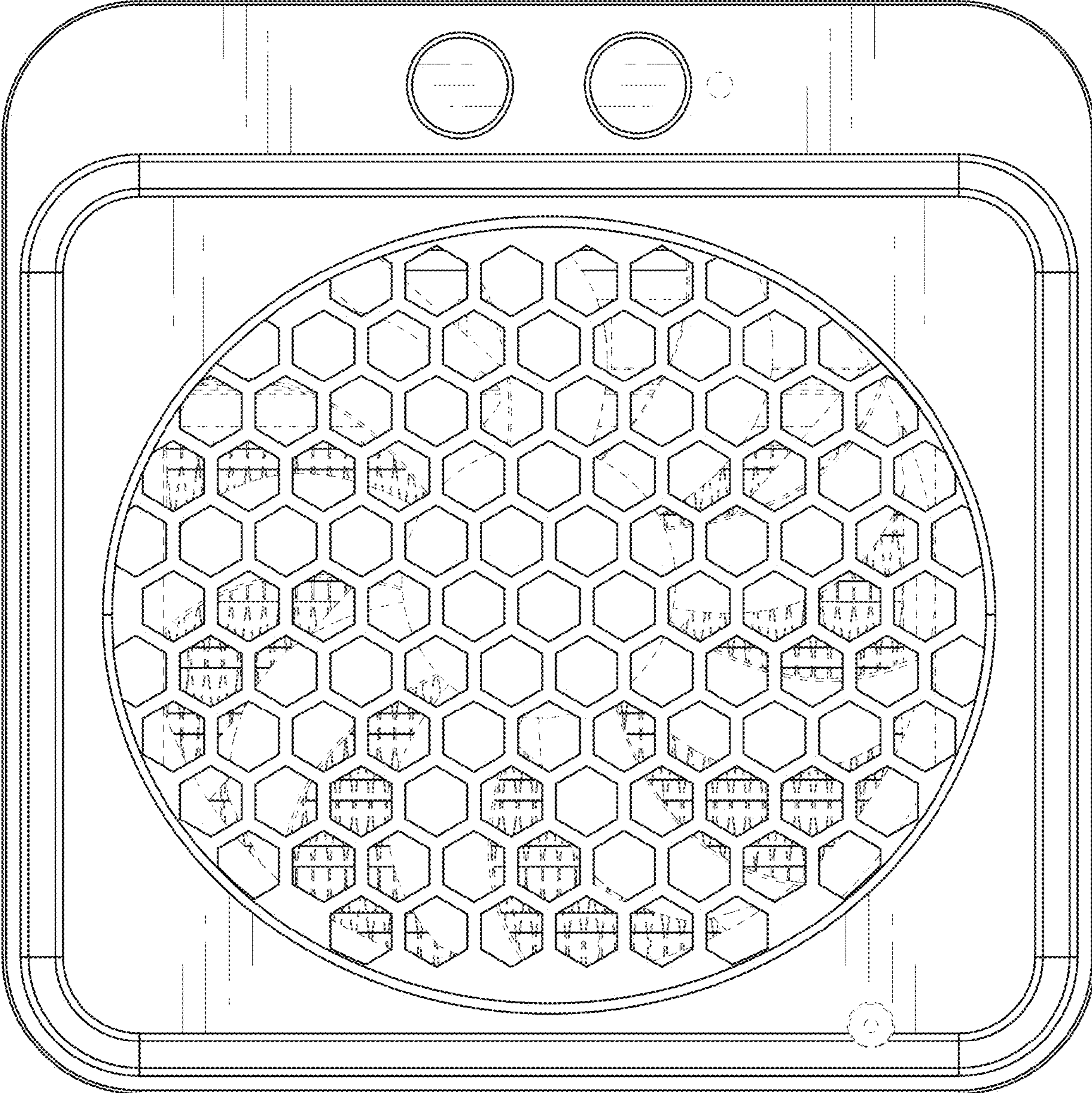


FIG. 1



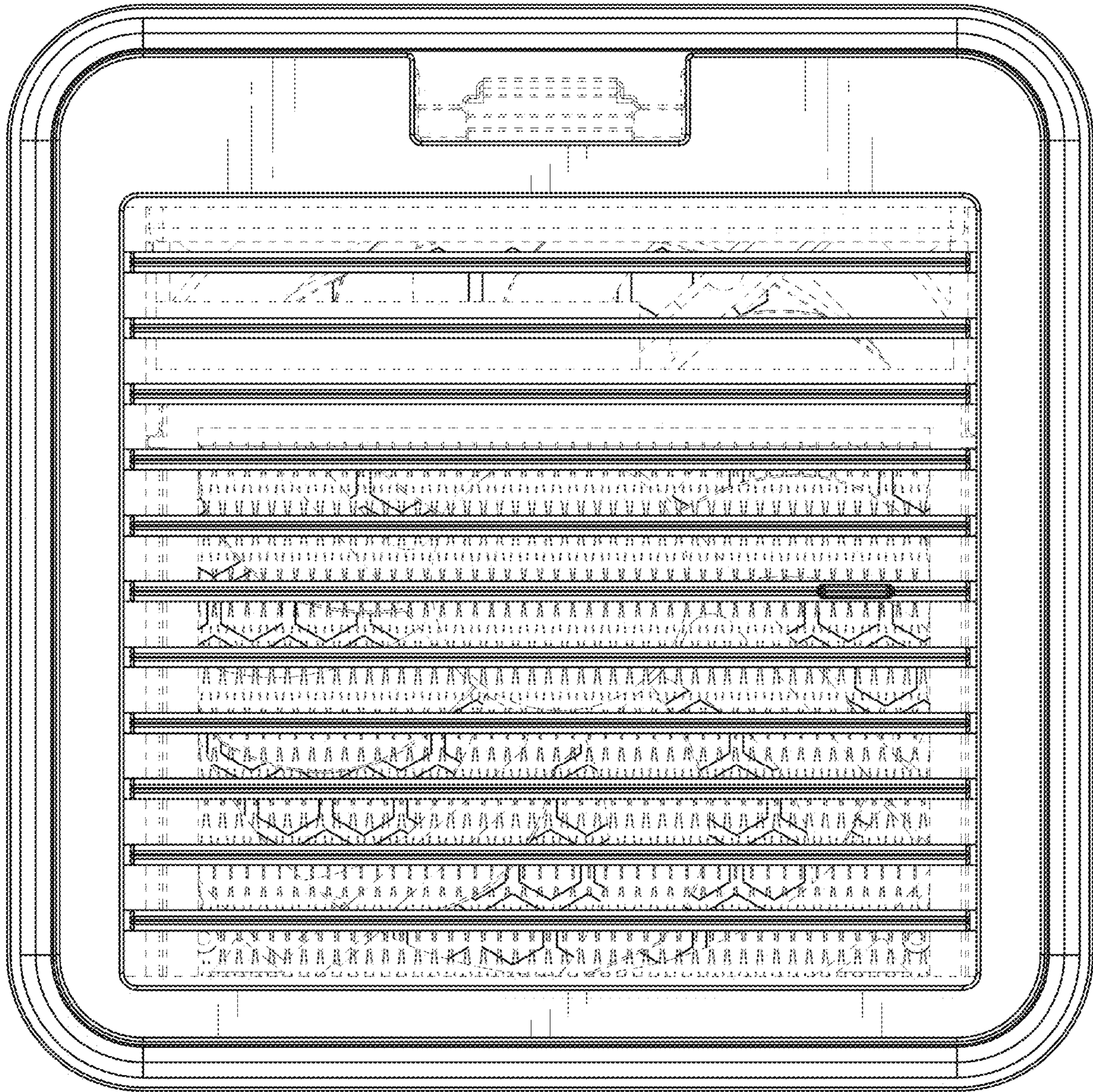


FIG. 2

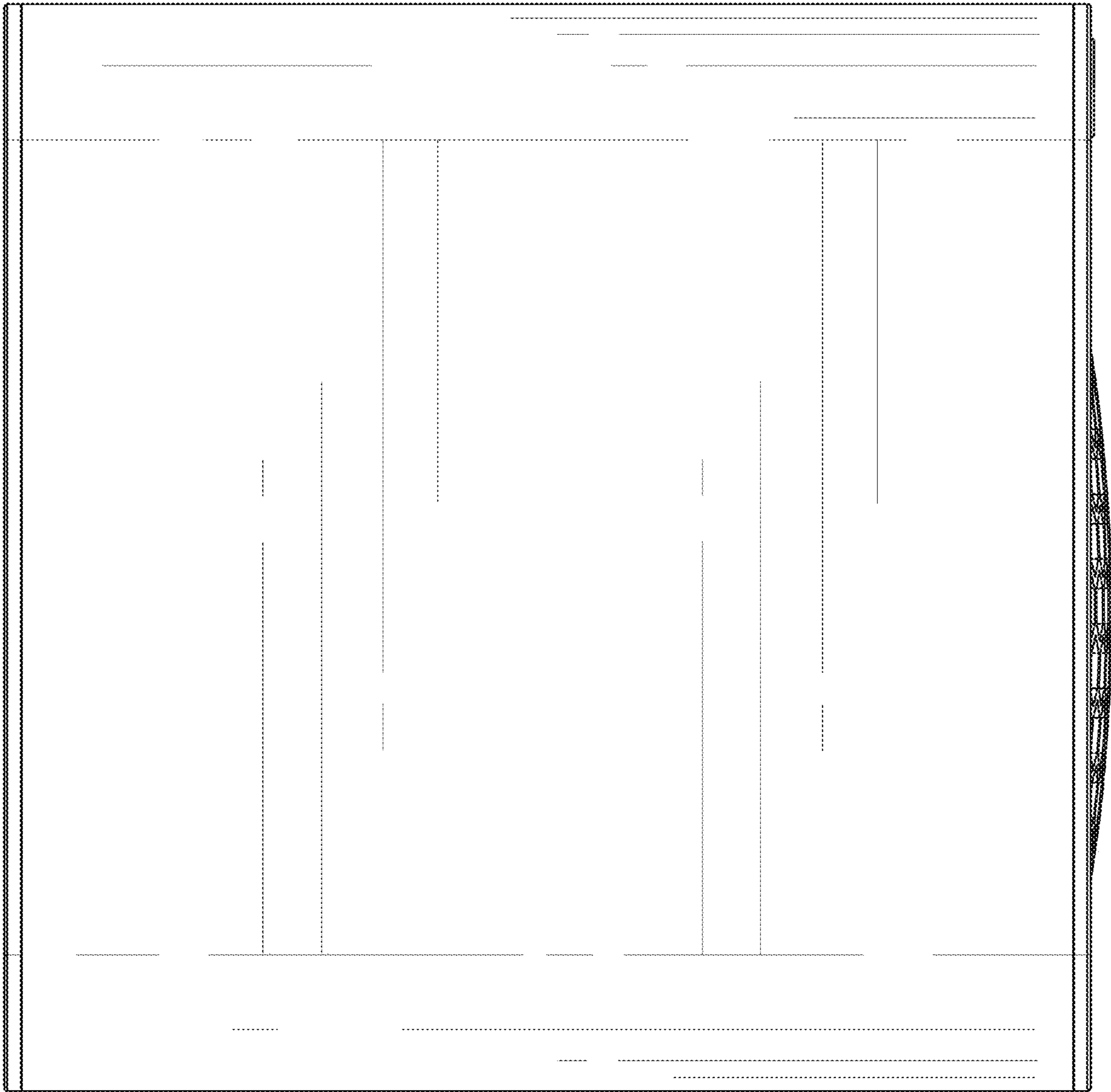


FIG. 3

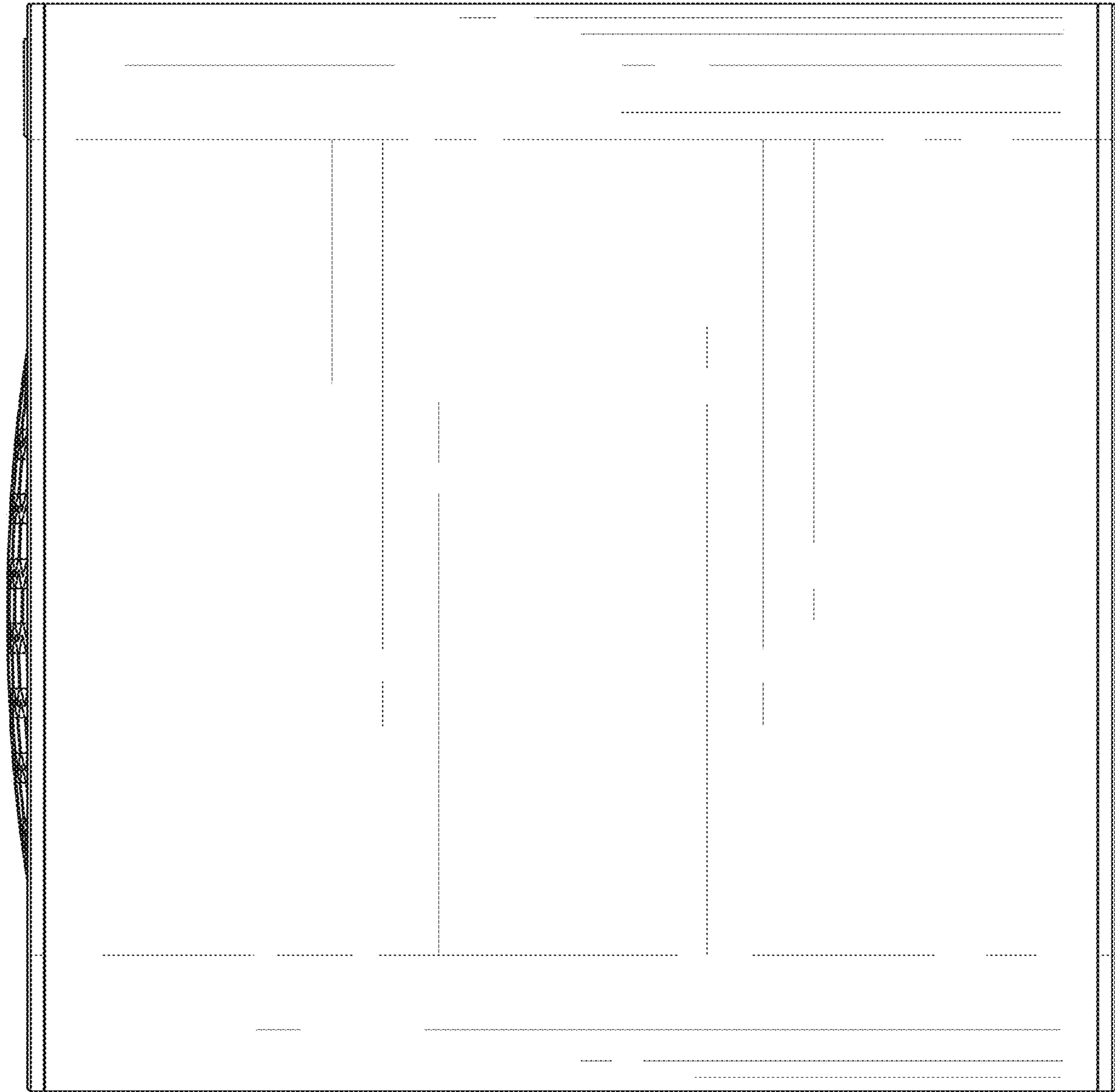


FIG. 4



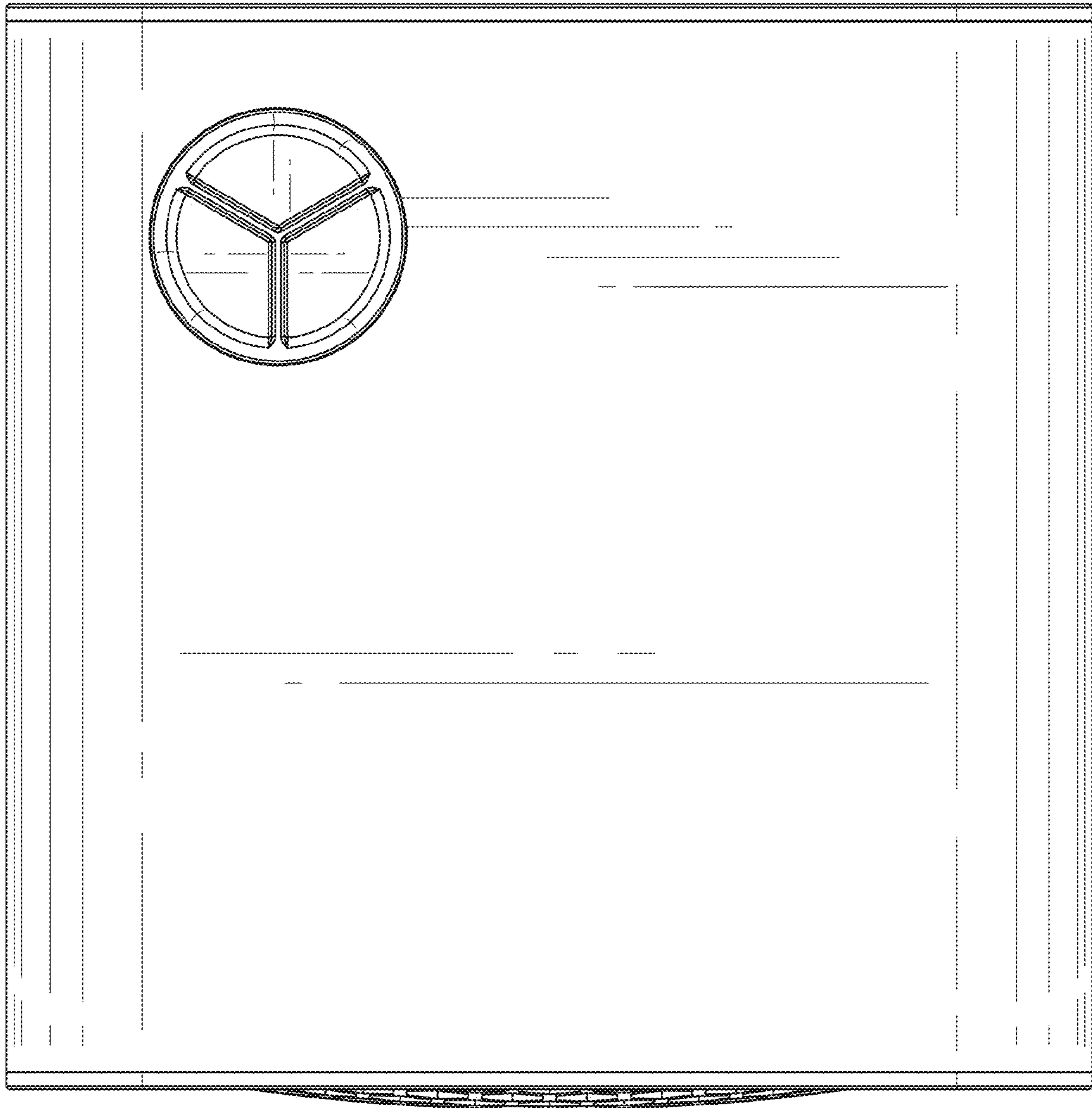


FIG. 5

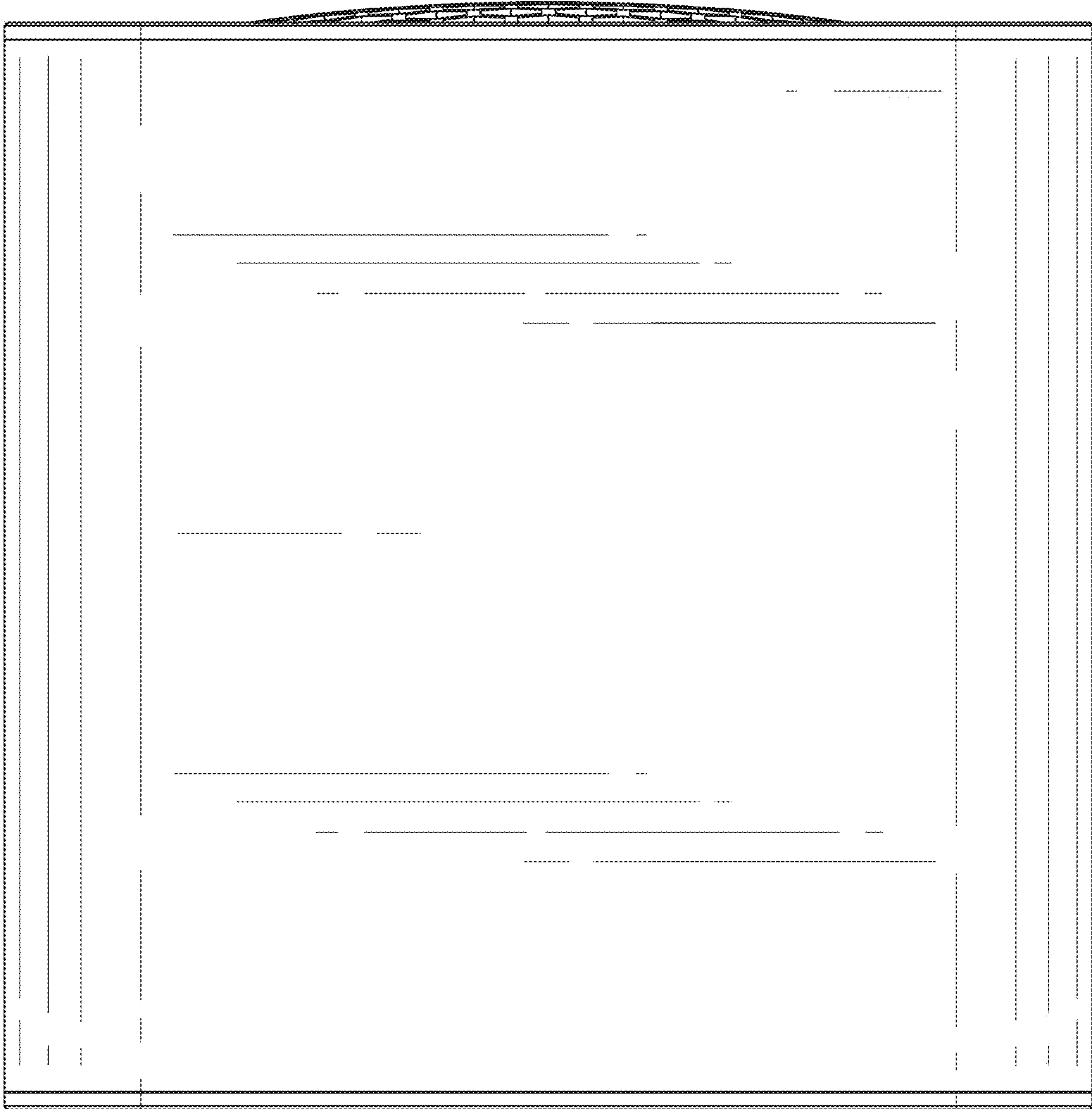


FIG. 6

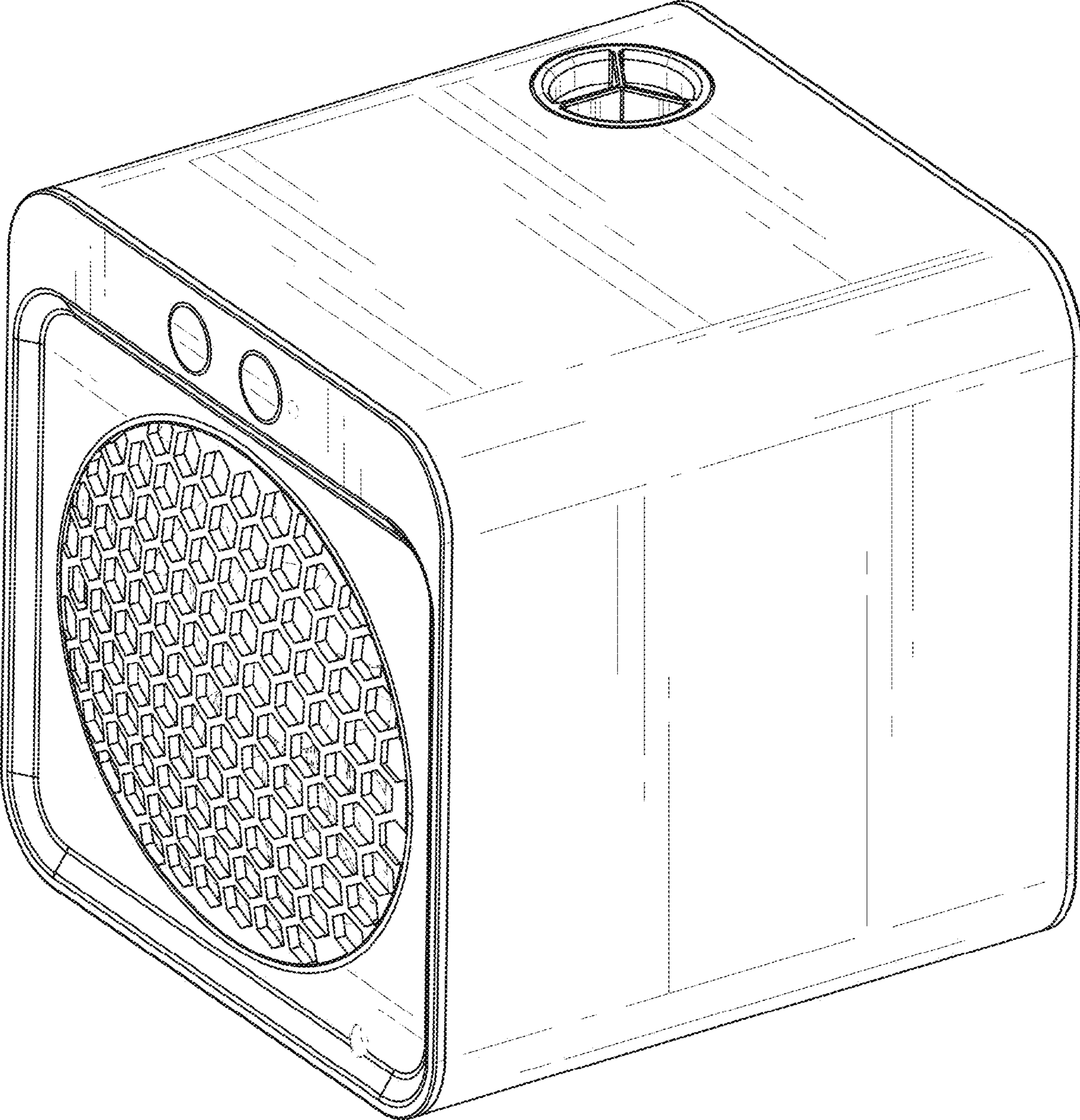


FIG. 7



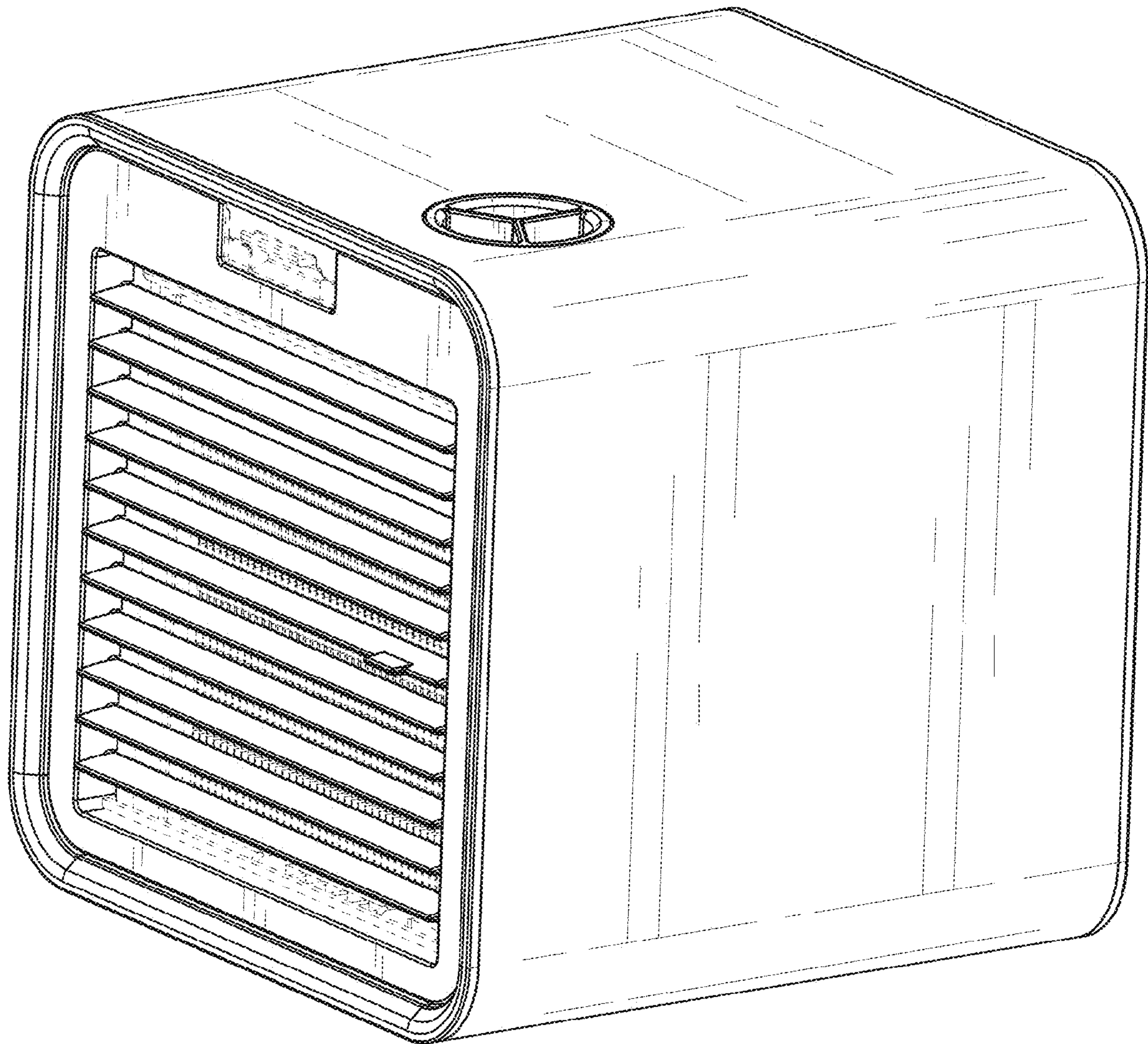


FIG. 8