

US00D802112S

(12) **United States Design Patent** (10) **Patent No.:** **US D802,112 S**
Jeon et al. (45) **Date of Patent:** **** Nov. 7, 2017**

(54) **AIR PURIFIER**

FOREIGN PATENT DOCUMENTS

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EM 001882754-0001 6/2011
KR 300289366 1/2002

(Continued)

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OTHER PUBLICATIONS

Samsung Air Purifier found online [May 19, 2017] <http://www.samsung.com/my/air-conditioners/air-purifier-ax50k5050wd/>.*

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

Assistant Examiner — John Voytek

(21) Appl. No.: **29/563,495**

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(22) Filed: **May 5, 2016**

(57) **CLAIM**

(30) **Foreign Application Priority Data**

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

Nov. 12, 2015 (KR) 30-2015-0056889

DESCRIPTION

(51) **LOC (10) Cl.** **23-04**

(52) **U.S. Cl.**

USPC **D23/364**

(58) **Field of Classification Search**

USPC D23/332–336, 342, 351, 352, 355–366,
D23/369, 370; D14/168, 170–172, 188,
D14/496

CPC A62B 21/00; B01D 46/0002; B01D 46/10;
F02M 35/04; F24F 13/20

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D394,100 S * 5/1998 Promseeda D23/355
D396,527 S * 7/1998 Boyle D23/332
D442,270 S * 5/2001 Campbell D23/364
D448,070 S * 9/2001 De' Longhi D23/333
D514,676 S 2/2006 Blateri
D529,161 S * 9/2006 De'Longhi D23/364
D598,528 S * 8/2009 Choi D23/359

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FIG. 1 is a front perspective view of an air purifier showing our new design;

FIG. 2 is a front elevation view thereof;

FIG. 3 is a rear elevation view thereof;

FIG. 4 is a left-side elevation view thereof;

FIG. 5 is a right-side elevation view thereof;

FIG. 6 is a top plan view thereof;

FIG. 7 is a bottom plan view thereof;

FIG. 8 is an enlarged front perspective view of the portion 8 encircled in FIG. 1;

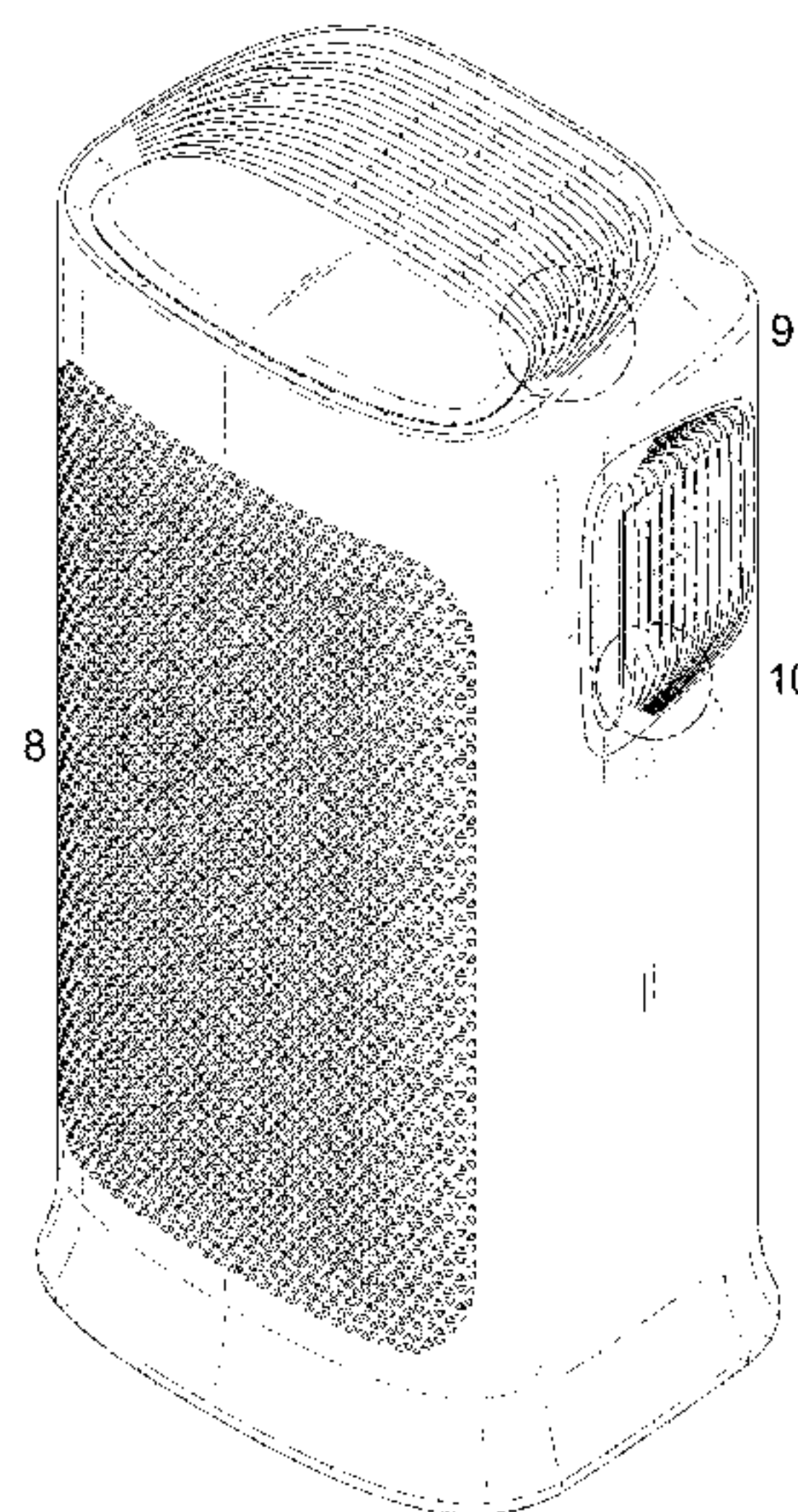
FIG. 9 is an enlarged front perspective view of the portion 9 encircled in FIG. 1; and,

FIG. 10 is an enlarged front perspective view of the portion 10 encircled in FIG. 1.

The broken lines in the drawings illustrate portions of the air purifier that form no part of the claimed design.

The dot-dash broken lines in the drawings encircle portions of the claimed design that are illustrated in enlargements and form no part of the claimed design.

1 Claim, 9 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D658,280	S	*	4/2012	Niki	D23/364
D673,665	S	*	1/2013	Langford	D23/359
D729,365	S	*	5/2015	Yuan	D23/359
D741,464	S	*	10/2015	Ikegaya	D23/364
D748,235	S	*	1/2016	Yamashita	D23/364
D766,414	S	*	9/2016	Chu	D23/359

FOREIGN PATENT DOCUMENTS

KR	300309260	10/2002
KR	300313917	12/2002

* cited by examiner

FIG. 1

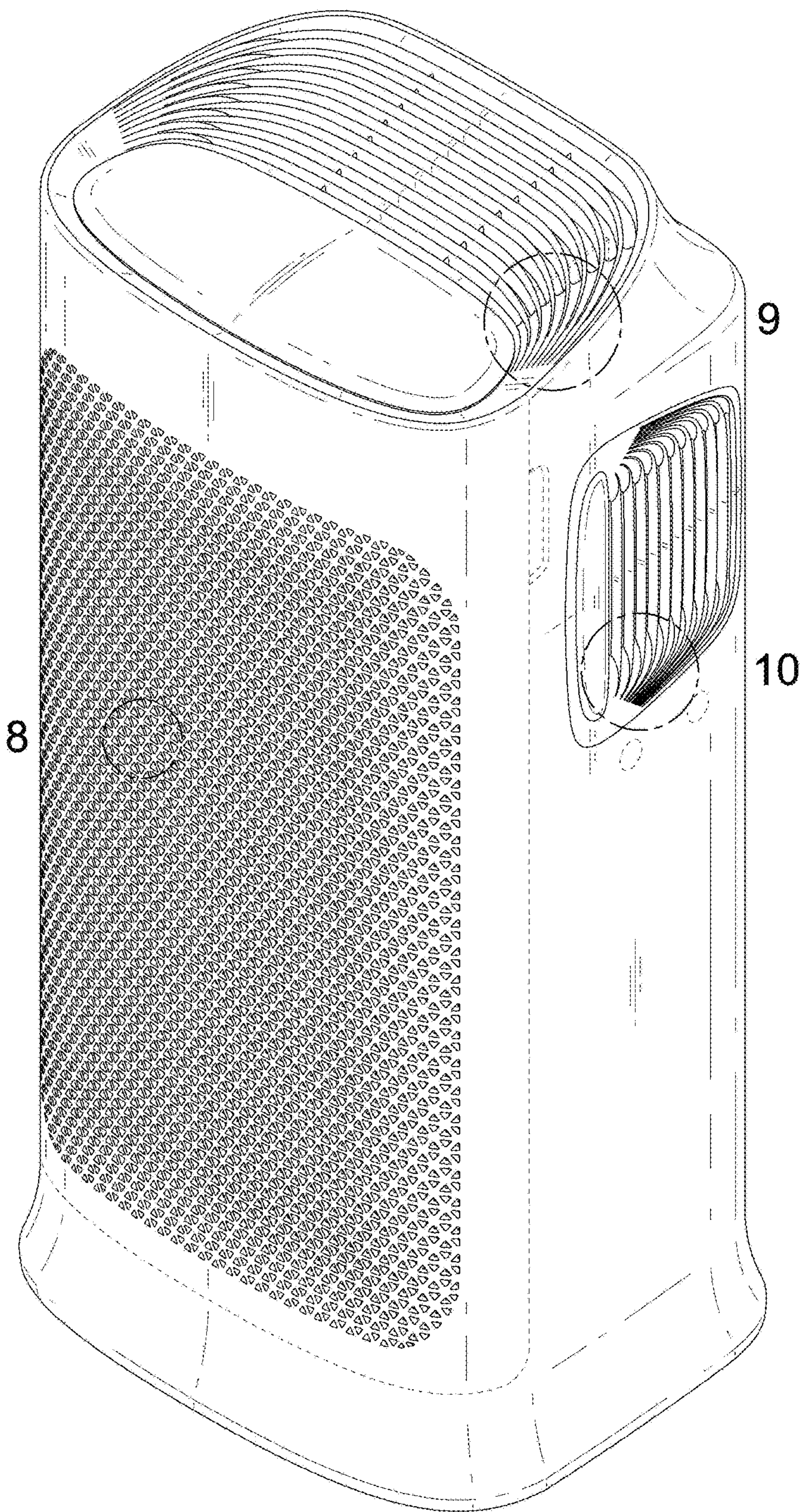


FIG. 2

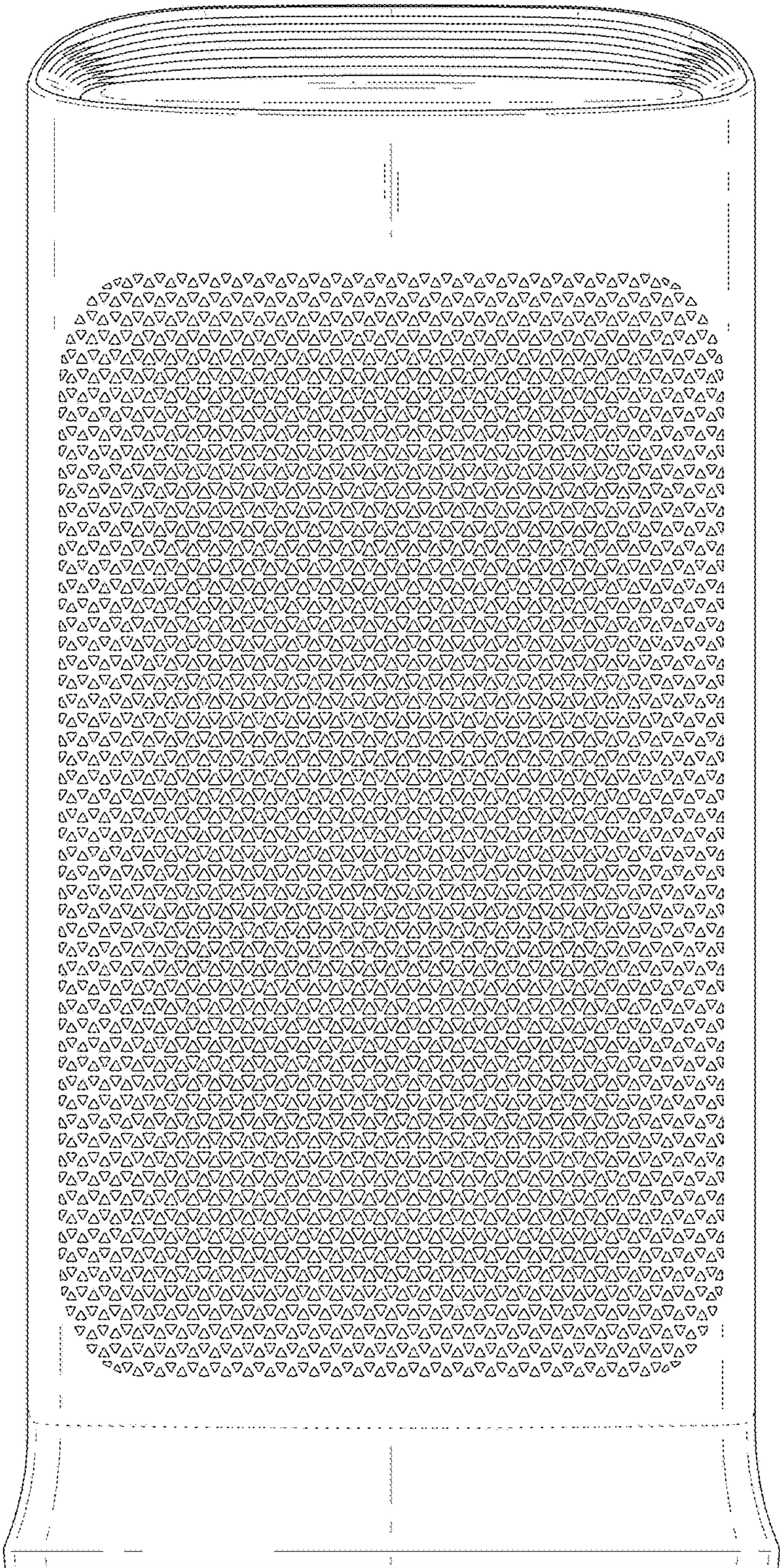


FIG. 3

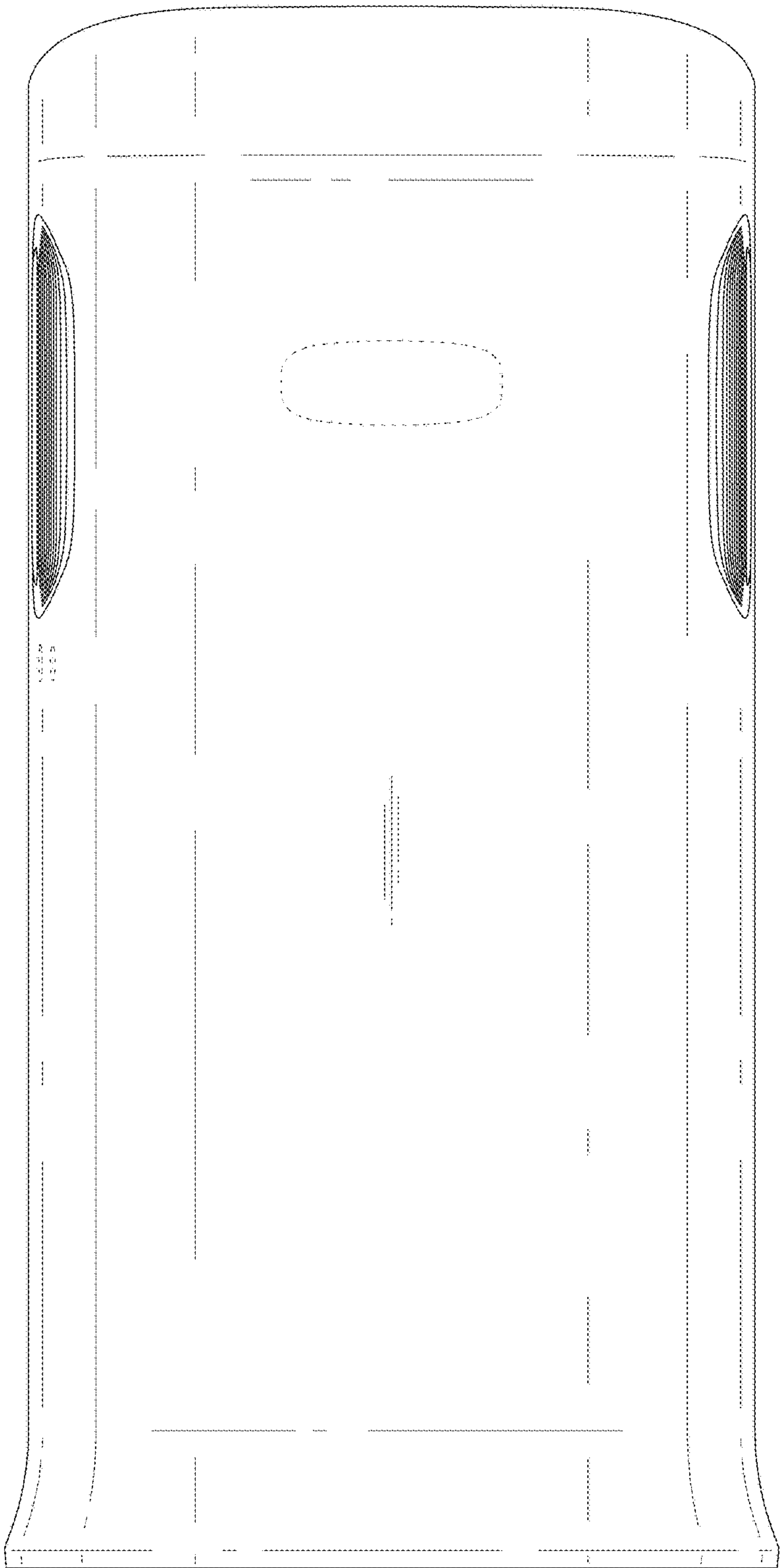


FIG. 4

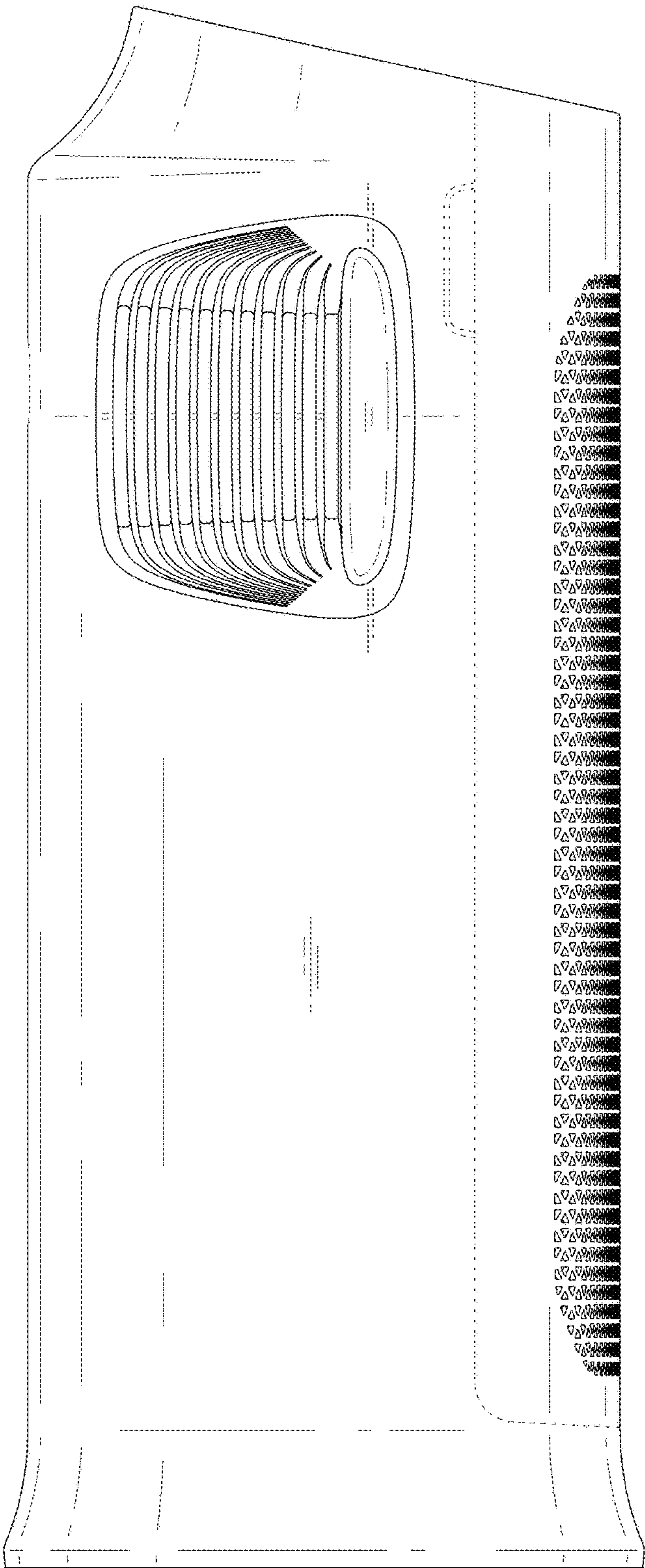


FIG. 5

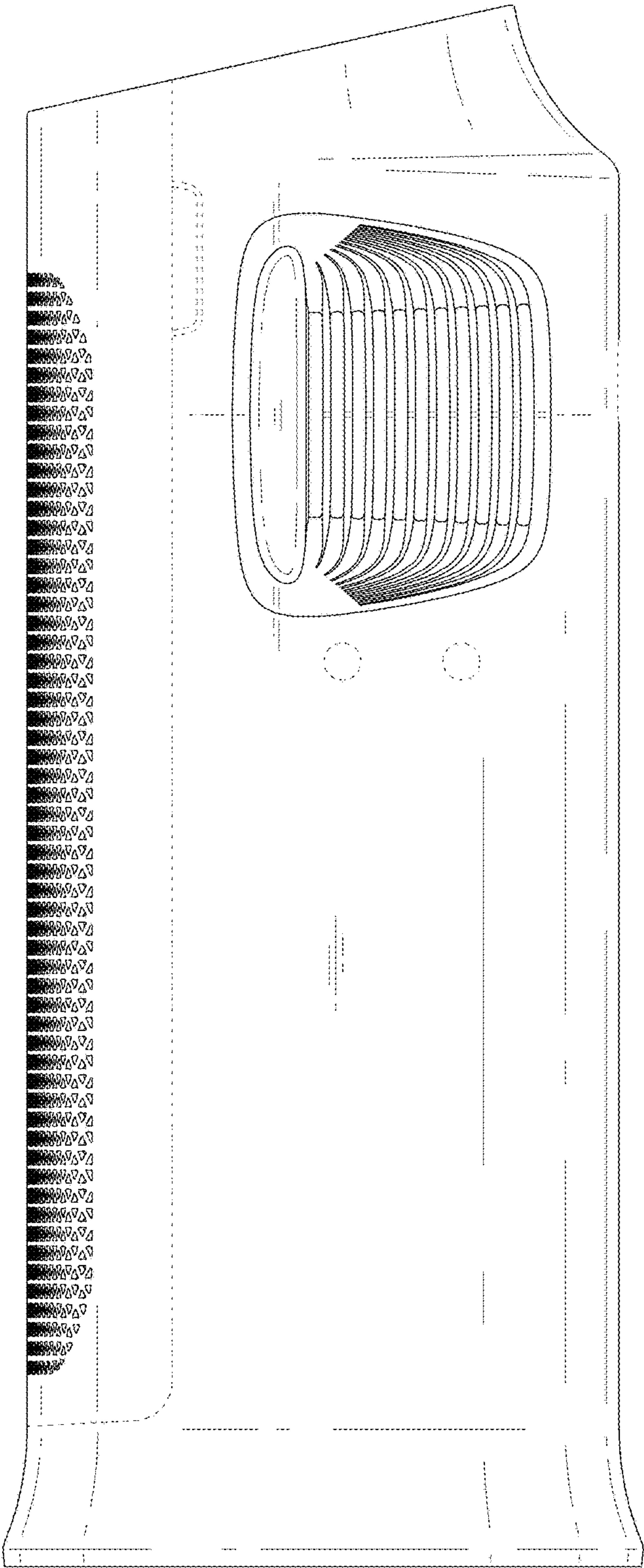


FIG. 6

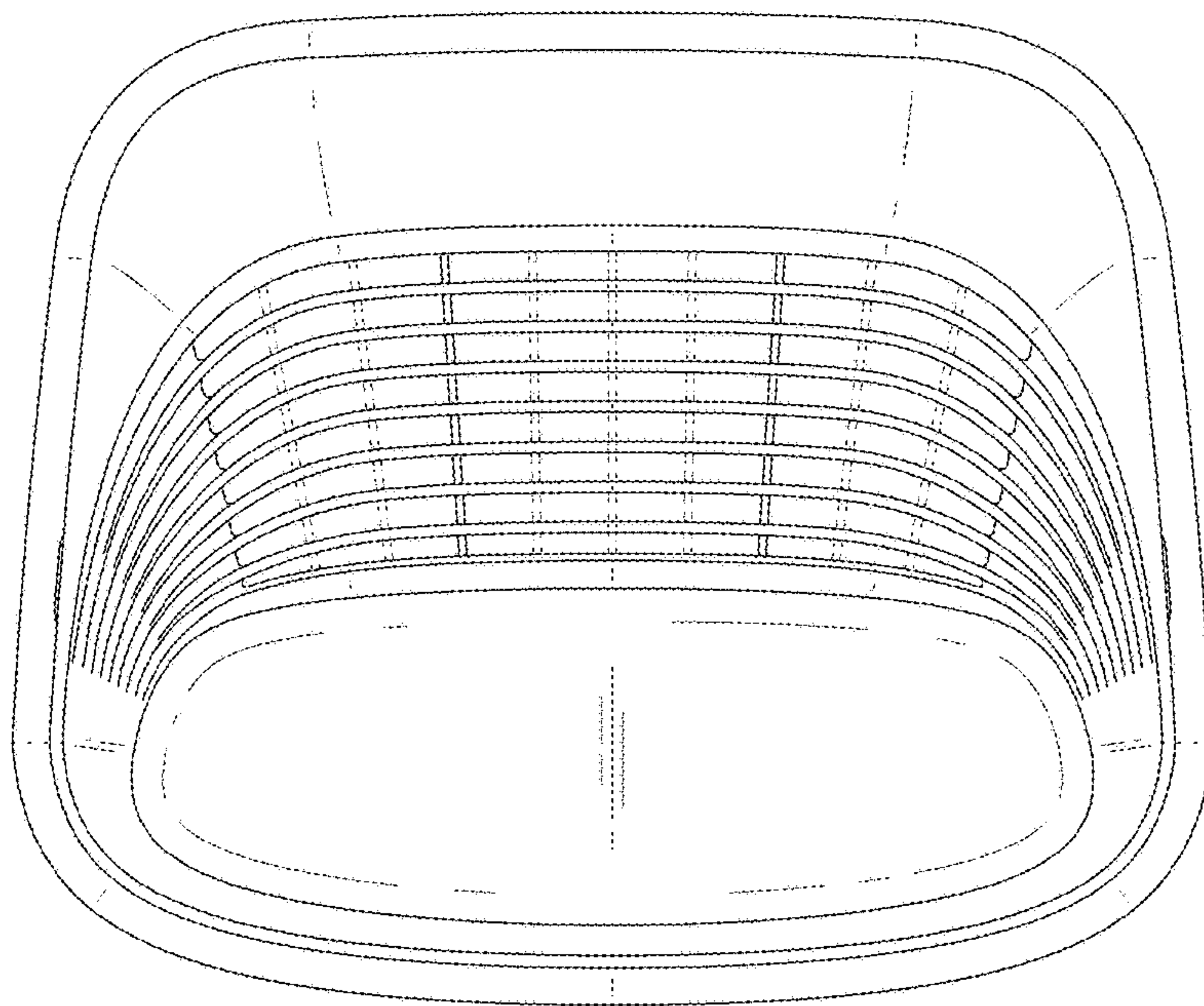


FIG. 7

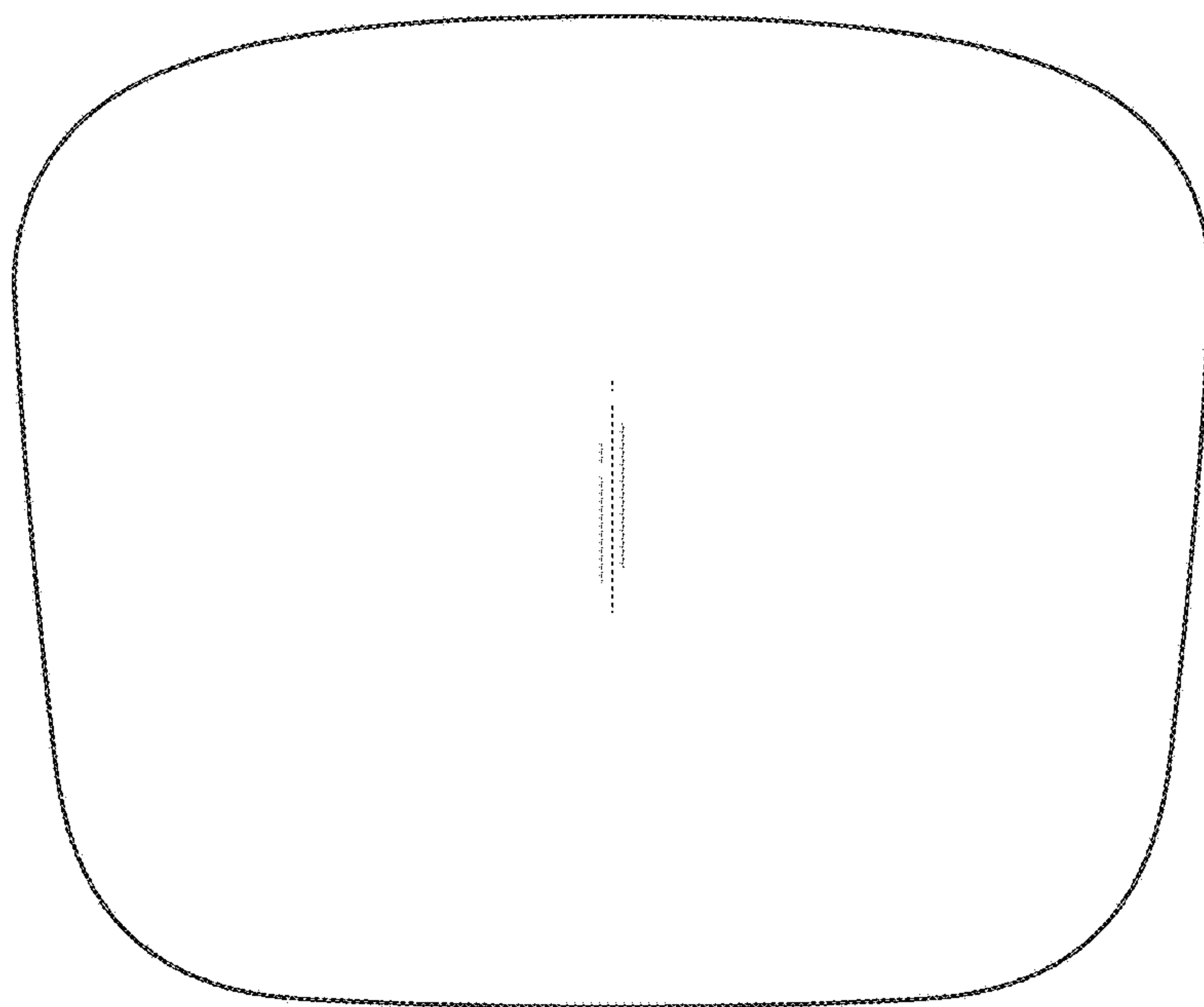


FIG. 8

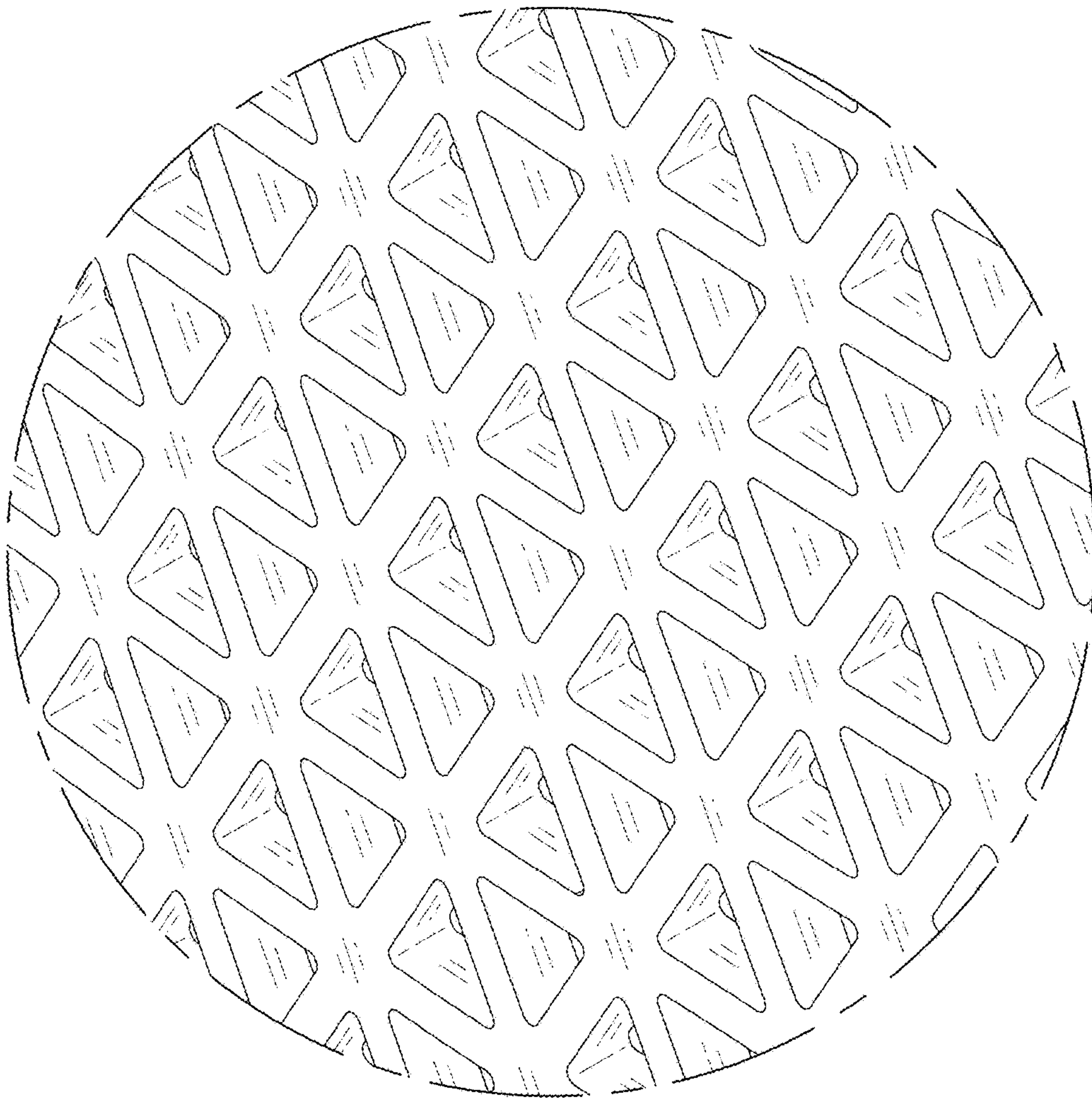


FIG. 9

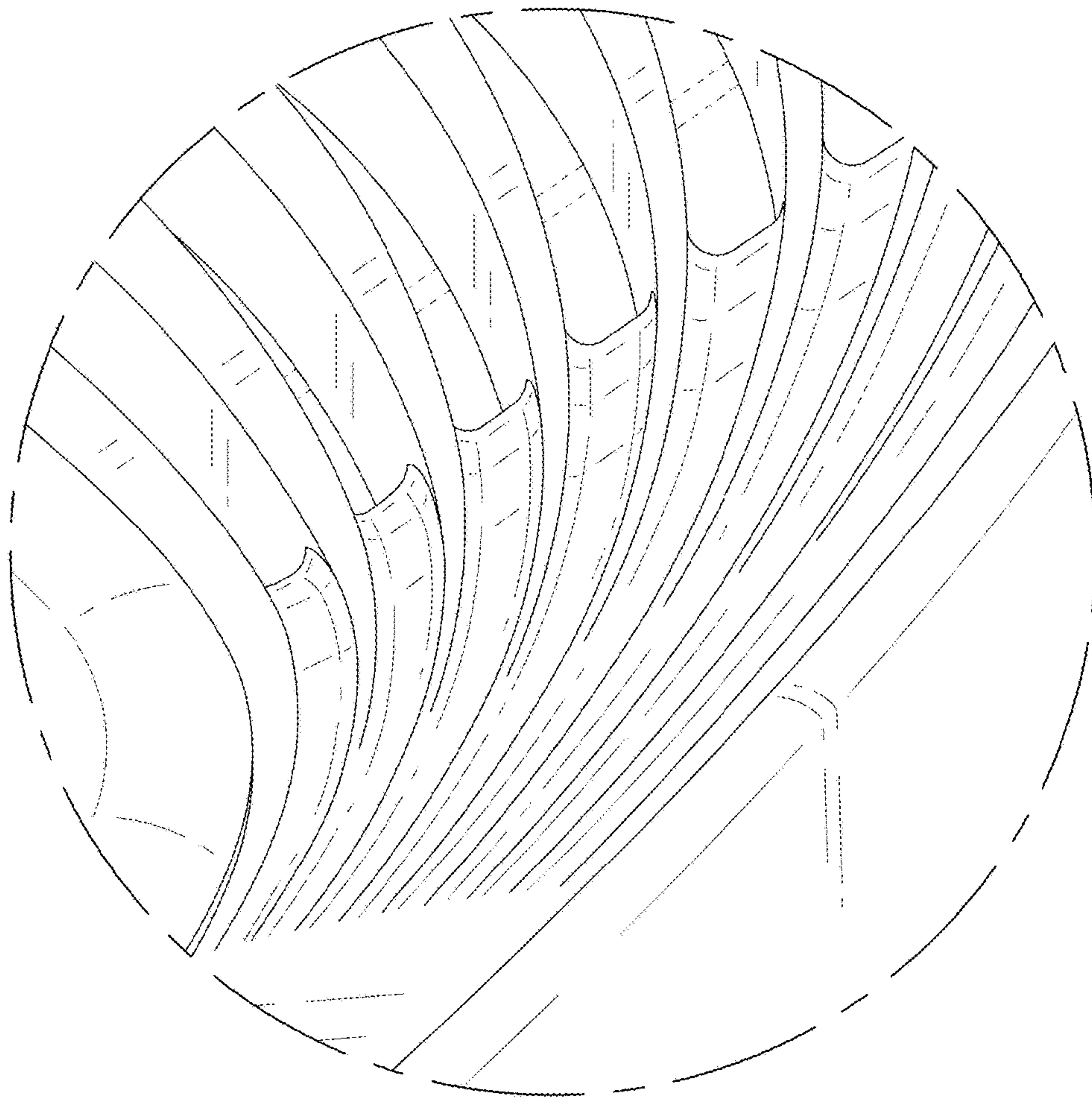


FIG. 10

