



US00D900290S

(12) **United States Design Patent** (10) **Patent No.:** **US D900,290 S**  
**Shin et al.** (45) **Date of Patent:** **\*\* Oct. 27, 2020**

(54) **AIR PURIFIER**

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

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**Related U.S. Application Data**

(63) Continuation of application No. 29/604,210, filed on May 16, 2017, now Pat. No. Des. 827,799, which is a continuation of application No. 29/531,499, filed on Jun. 26, 2015, now Pat. No. Des. 790,050.

(30) **Foreign Application Priority Data**

Dec. 26, 2014 (KR) ..... 30-2014-0063391

(51) **LOC (12) Cl.** ..... **23-04**

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

(58) **Field of Classification Search**  
USPC ..... D23/364, 351, 365, 387, 366, 333  
CPC ..... G21B 3/00  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D397,201 S 8/1998 Ediger et al.  
5,908,140 A \* 6/1999 Muderlak ..... A61L 9/14  
222/1  
D421,646 S 3/2000 Palma et al.

D423,656 S 4/2000 De'Longhi  
D437,037 S 1/2001 Deros et al.  
D437,039 S 1/2001 Yamazaki et al.  
D442,270 S 5/2001 Campbell et al.  
6,427,984 B1 8/2002 Mulvaney et al.  
D465,567 S 11/2002 Choi  
D515,189 S 2/2006 Russak et al.  
D516,689 S 3/2006 Salmon et al.  
D556,309 S 11/2007 Chiu  
D572,810 S 7/2008 Chiu  
D577,800 S 9/2008 Yoon  
D578,192 S 10/2008 Yoo et al.  
D590,488 S \* 4/2009 Chiu ..... D23/333  
D598,087 S \* 8/2009 Park, II ..... D23/333

(Continued)

**OTHER PUBLICATIONS**

Eat My Dust by Steven Kurutz, posted to The New York Times. Available date: May 15, 20163 [site visited Aug. 4, 2020] Available: < <https://www.nytimes.com/2013/05/16/garden/an-allergy-sufferer-tests-six-air-purifiers.html> > (Year: 2013).\*

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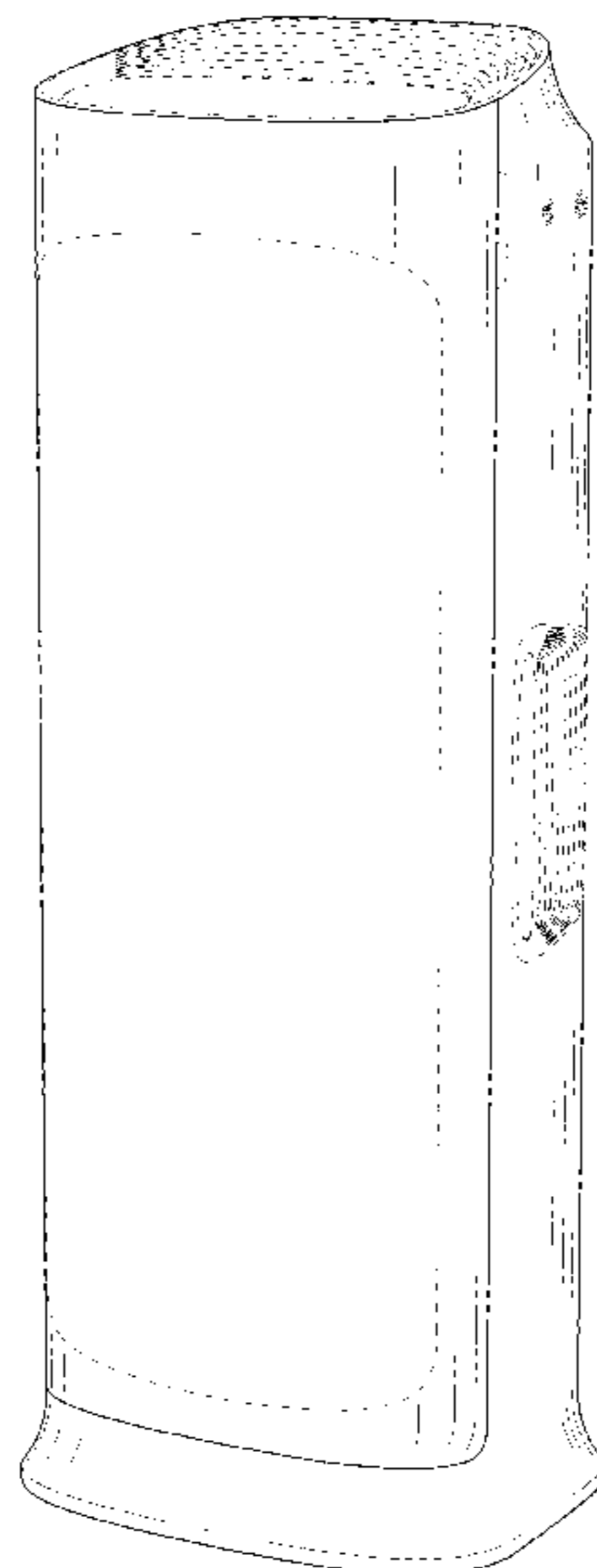
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a perspective view of an air purifier, showing our new design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a side view thereof;  
FIG. 5 is another side view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.  
The broken lines in the figures are for environmental purposes only and form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D634,415 S *	3/2011	Abbondanzio	.....	D23/366	D766,414 S	9/2016	Chu	
D634,829 S	3/2011	Niki			D766,415 S	9/2016	Kim	
D636,476 S *	4/2011	Abbondanzio	.....	D23/366	D768,834 S *	10/2016	Schuller	..... D23/366
D638,923 S	5/2011	Choi			D787,657 S *	5/2017	Farone	..... D23/356
D643,102 S *	8/2011	Abbondanzio	.....	D23/366	D788,279 S *	5/2017	Lee	..... D23/359
D664,248 S *	7/2012	Huang	.....	D23/364	D788,898 S	6/2017	Shin et al.	
D672,858 S *	12/2012	Abbondanzio	.....	D23/366	D790,050 S	6/2017	Shin et al.	
D675,303 S	1/2013	Raupach et al.			D797,272 S	9/2017	Poindexter et al.	
D683,439 S	5/2013	Choi			D801,502 S	10/2017	Hu	
D691,255 S *	10/2013	Abbondanzio	.....	D23/366	D802,112 S	11/2017	Jeon et al.	
D704,320 S *	5/2014	Li	.....	D23/333	D807,997 S	1/2018	Seo	
D705,410 S	5/2014	Terao			D818,569 S *	5/2018	Farone	..... D23/356
D725,253 S	3/2015	Choi et al.			D820,423 S *	6/2018	Poindexter	..... D23/364
D729,365 S	5/2015	Yuan et al.			D827,799 S *	9/2018	Shin	..... D23/364
D729,919 S	5/2015	Yeom			D835,249 S *	12/2018	Echeverri	..... D23/365
D741,465 S	10/2015	Satou			D838,273 S *	1/2019	Memke	..... D14/426
D741,466 S	10/2015	Satou			D844,766 S *	4/2019	Miao	..... D23/364
D750,210 S *	2/2016	Sayers	.....	D23/366	D878,530 S *	3/2020	Pan	..... D23/364
D754,831 S	4/2016	Yin et al.			D879,933 S *	3/2020	Nanda	..... D23/366
					D888,214 S *	6/2020	Kim	..... D23/351
					D891,598 S *	7/2020	Hernandez	..... D23/364
					2017/0016637 A1	1/2017	Choi et al.	

\* cited by examiner

FIG. 1

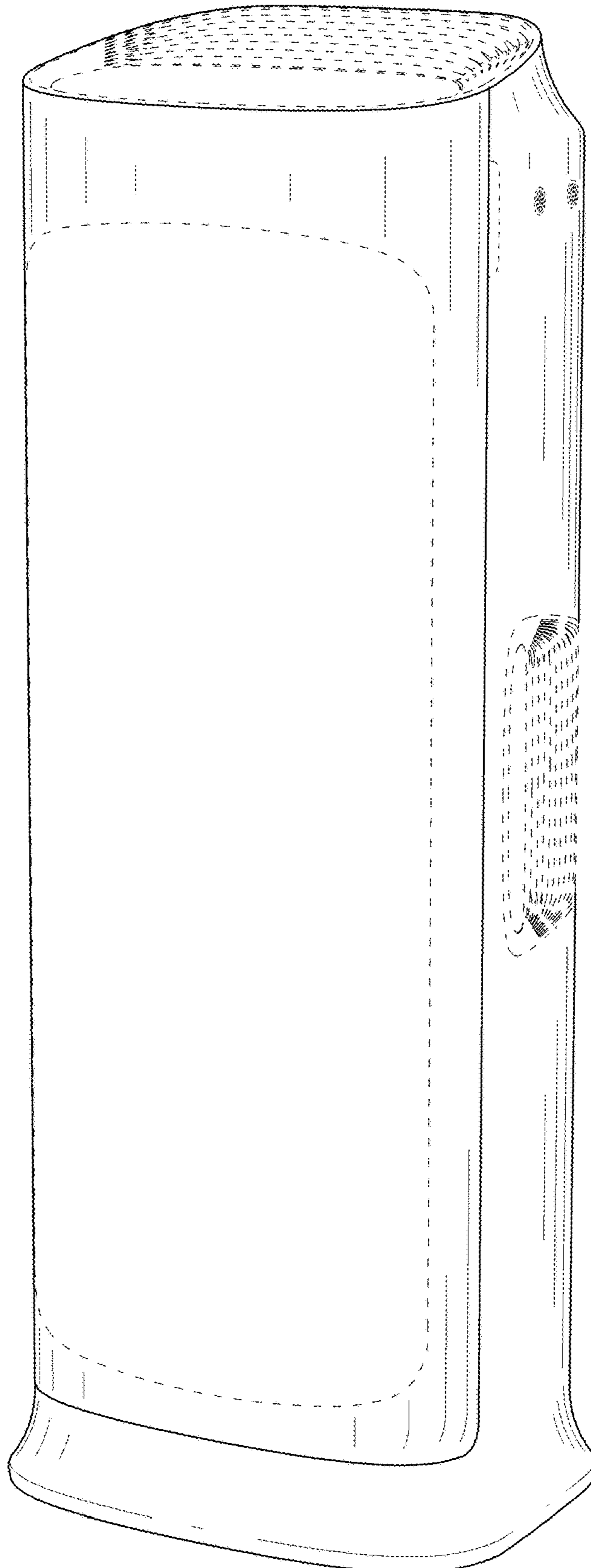


FIG. 2

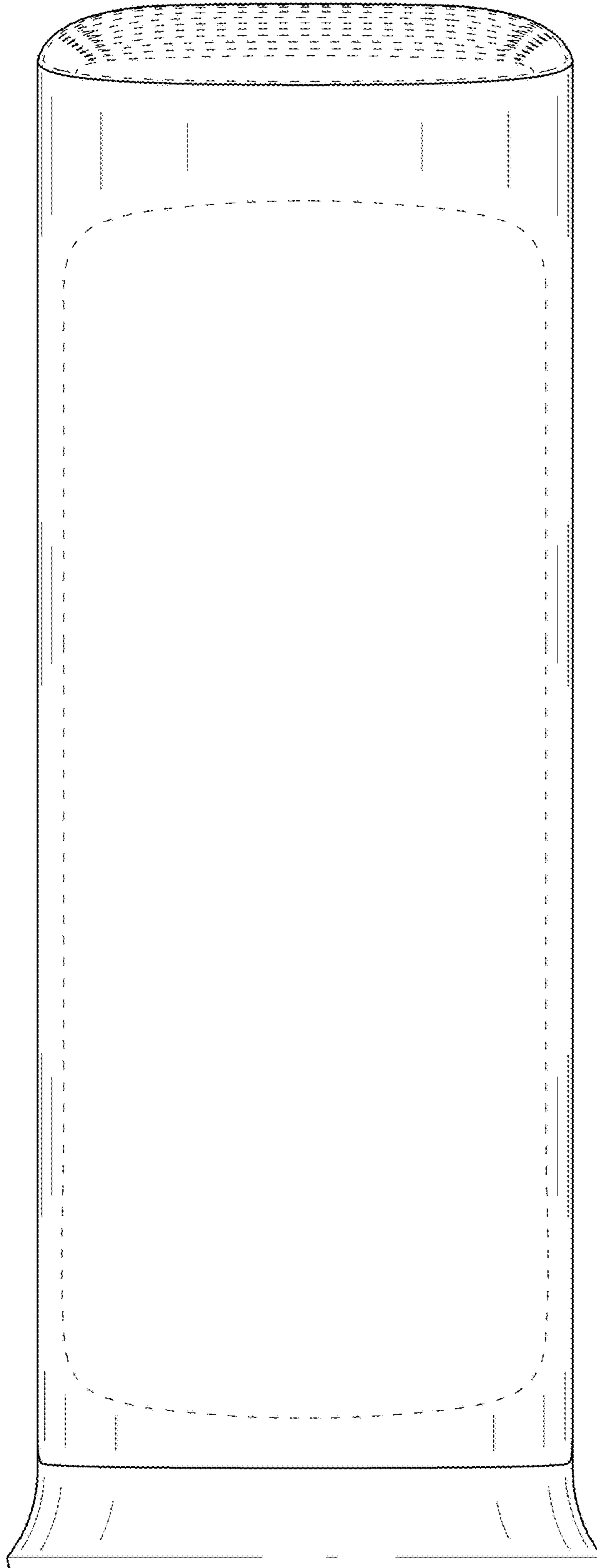


FIG. 3

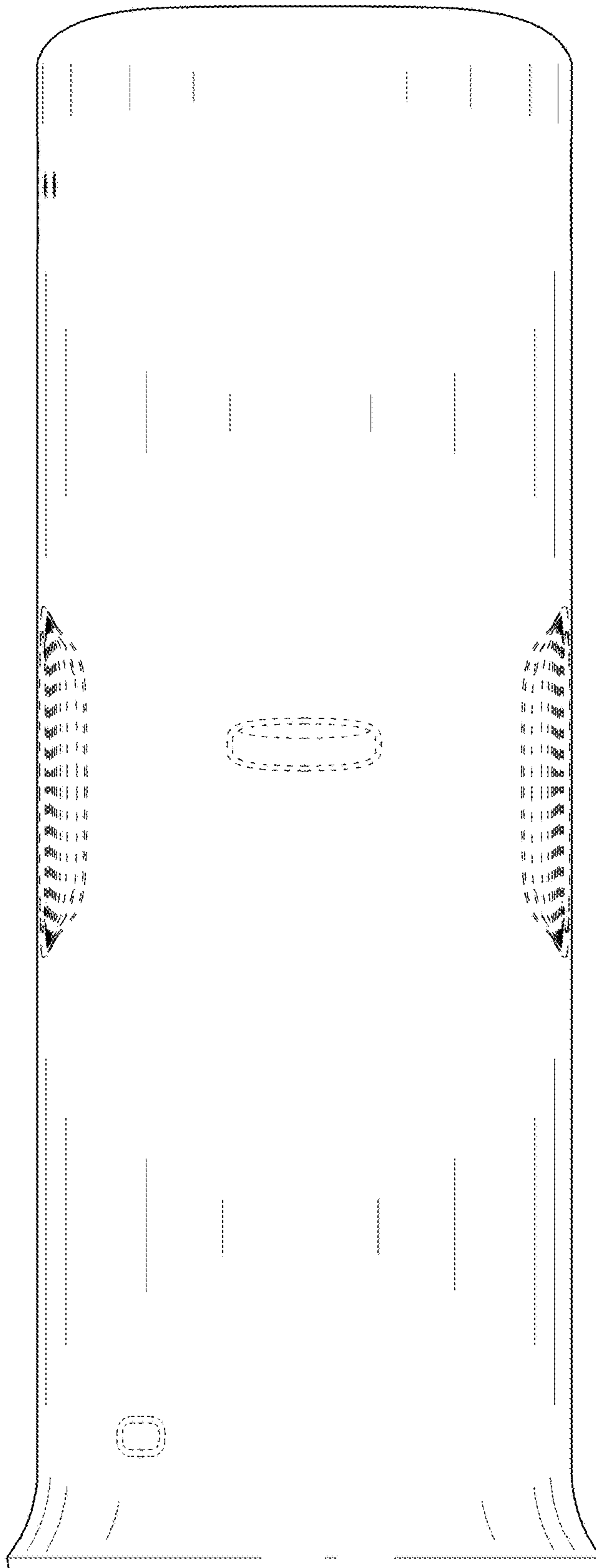


FIG. 4

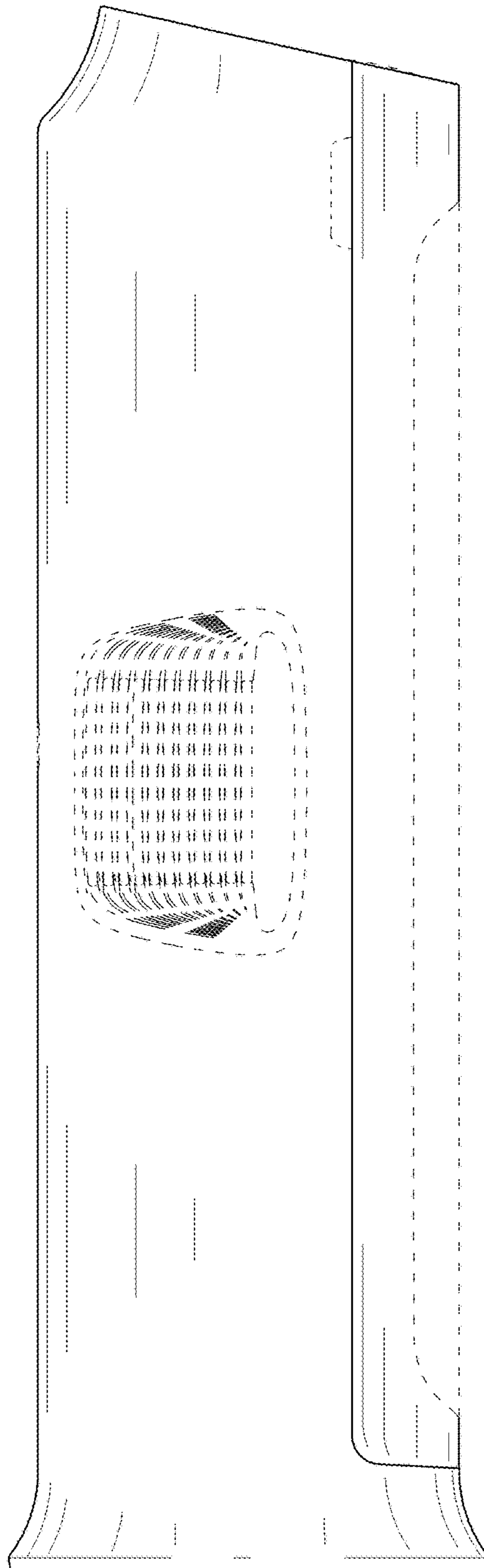


FIG. 5

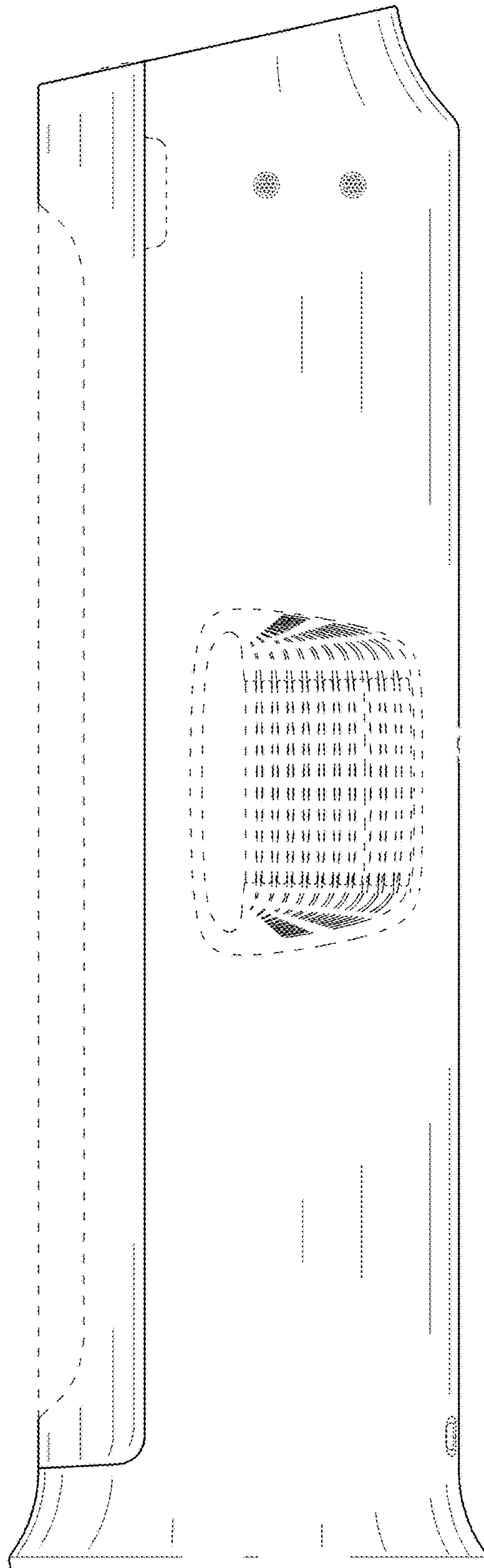


FIG. 6

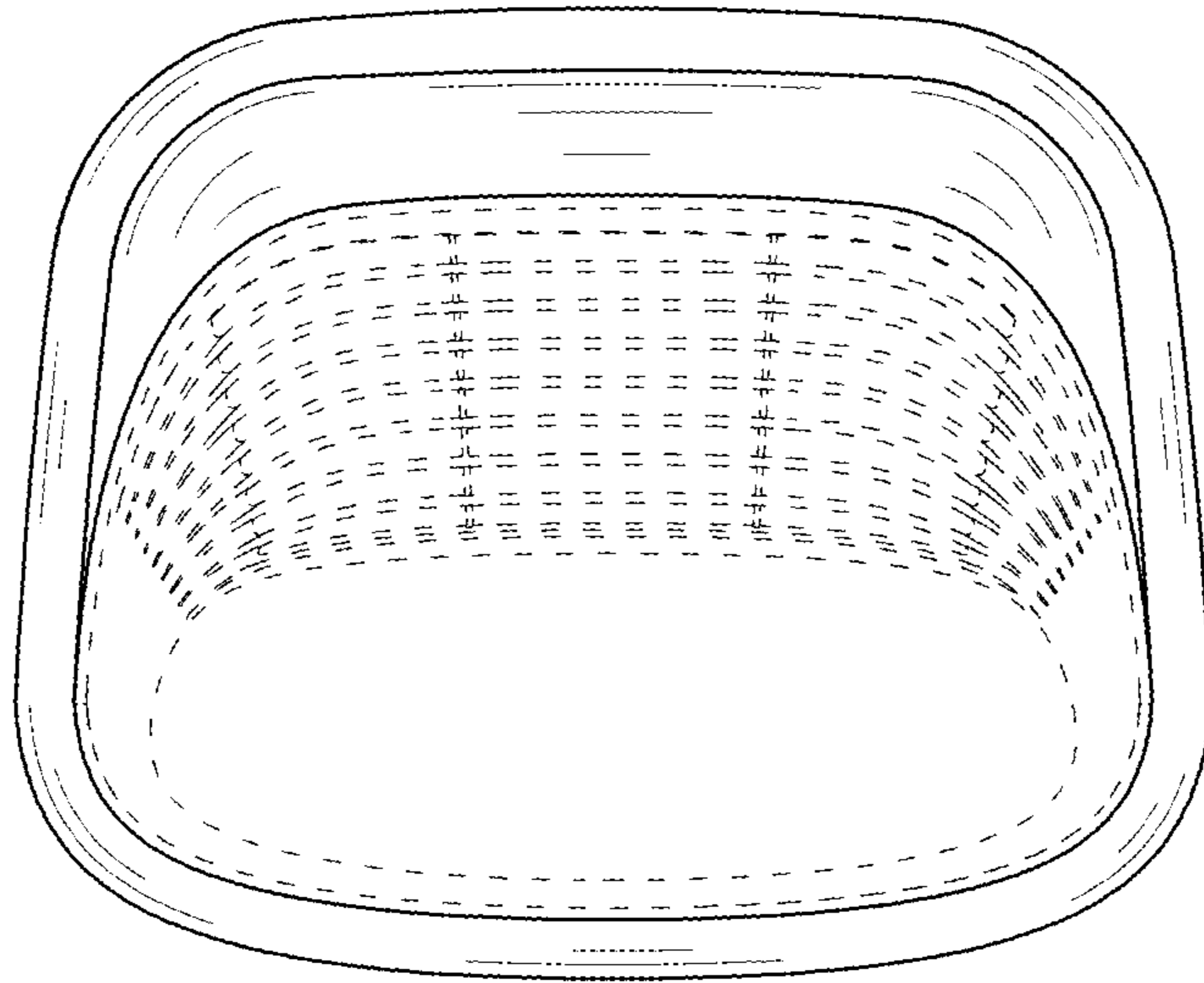


FIG. 7

