



US00D864367S

(12) **United States Design Patent** (10) **Patent No.:** **US D864,367 S**  
**Chen et al.** (45) **Date of Patent:** **\*\* Oct. 22, 2019**

(54) **AIR HUMIDIFIER**

(71) Applicant: **Gree Electric Appliances, Inc. of Zhuhai**, Zhuhai, Guangdong (CN)

(72) Inventors: **Xusheng Chen**, Guangdong (CN); **Sha Li**, Guangdong (CN); **Nanfei Chen**, Guangdong (CN); **Jijian Zhang**, Guangdong (CN); **Jianfeng Lin**, Guangdong (CN); **Min Zhang**, Guangdong (CN); **Qingfeng Zhang**, Guangdong (CN); **Jiabao Feng**, Guangdong (CN); **Wenbo Lu**, Guangdong (CN); **Yao Li**, Guangdong (CN); **Huijie Wang**, Guangdong (CN); **Siling Xu**, Guangdong (CN); **Guangyu Chen**, Guangdong (CN)

(73) Assignee: **Gree Electric Appliances, Inc. of Zhuhai**, Guangdong (CN)

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

(21) Appl. No.: **29/691,476**

(22) Filed: **May 16, 2019**

**Related U.S. Application Data**

(62) Division of application No. 35/505,135, filed on May 25, 2018 (U.S. filing date under 35 U.S.C. 384), and having an international filing date of May 25, 2018.

(30) **Foreign Application Priority Data**

Nov. 28, 2017 (CN) ..... 2017 3 0594434  
Mar. 27, 2018 (CN) ..... 2018 3 0117188  
Mar. 27, 2018 (CN) ..... 2018 3 0117189  
Mar. 27, 2018 (CN) ..... 2018 3 0117191

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

(52) **U.S. Cl.**  
USPC ..... **D23/356**

(58) **Field of Classification Search**  
USPC ..... D23/332, 333, 335, 336, 342, 351,  
D23/355–366

CPC ..... F24F 11/30; F24F 11/62; F24F 2110/10; F24F 11/46; F24F 11/56; F24F 2110/00; F24F 11/58; F24F 2140/60; F24F 11/52; F24F 11/32; F24F 11/63; F24F 11/64; F24F 2006/008; F24F 3/14; F24F 11/59; F24F 11/70; F24F 11/83; F24F 13/28; F24F 1/0007; F24F 2110/20; F24F 2120/10; F24F 2120/20; F24F 2140/50; F24F 11/0001; F24F 11/54; F24F 11/61; F24F 11/76; F24F 11/85; F24F 11/88; F24F 11/89; F24F 13/20; F24F 13/24; F24F 1/02; F24F 1/022; F24F 1/08; F24F 1/12; F24F 1/32; F24F 2006/046; F24F 2110/70; F24F 2120/12;

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D677,773 S \* 3/2013 Choi ..... D23/356  
D682,406 S \* 5/2013 Yeom ..... D23/356

(Continued)

*Primary Examiner* — Khawaja Anwar

(74) *Attorney, Agent, or Firm* — The Webb Law Firm

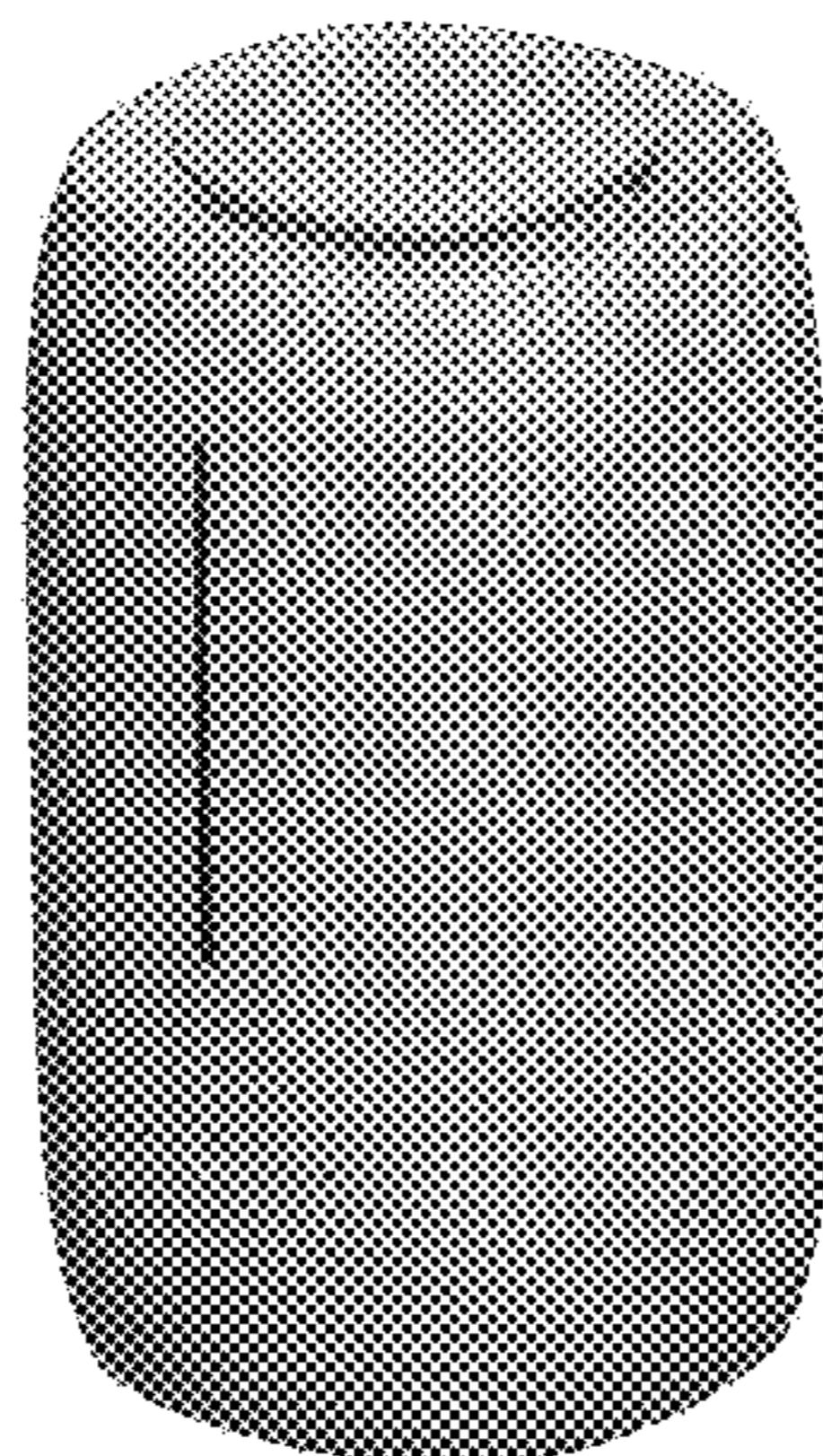
(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is an upper perspective view of an air humidifier, showing our new design;  
FIG. 2 is a front elevation view thereof;  
FIG. 3 is a left side elevation view thereof;  
FIG. 4 is a rear elevation view thereof;  
FIG. 5 is a right side elevation view thereof;  
FIG. 6 is a top view thereof; and,  
FIG. 7 is a bottom view thereof.

**1 Claim, 7 Drawing Sheets**



(58) **Field of Classification Search**

CPC ..... F24F 2120/14; F24F 2130/00; F24F  
2130/10; F24F 2130/30; F24F 2221/12;  
F24F 3/147; F24F 3/1603; F24F 5/0035;  
F24F 6/02; F24F 6/04; F24F 6/043; F24F  
6/10; F24F 6/12; F24F 6/14; F24F 7/08

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D746,967 S *	1/2016	Lee .....	D23/356
D755,942 S *	5/2016	Kim .....	D23/364
D818,094 S *	5/2018	Cartwright .....	D23/356
D826,388 S *	8/2018	Yeung .....	D23/356
D828,527 S *	9/2018	Xu .....	D23/356
D835,763 S *	12/2018	Niedermann .....	A61M 16/06 D23/356

\* cited by examiner

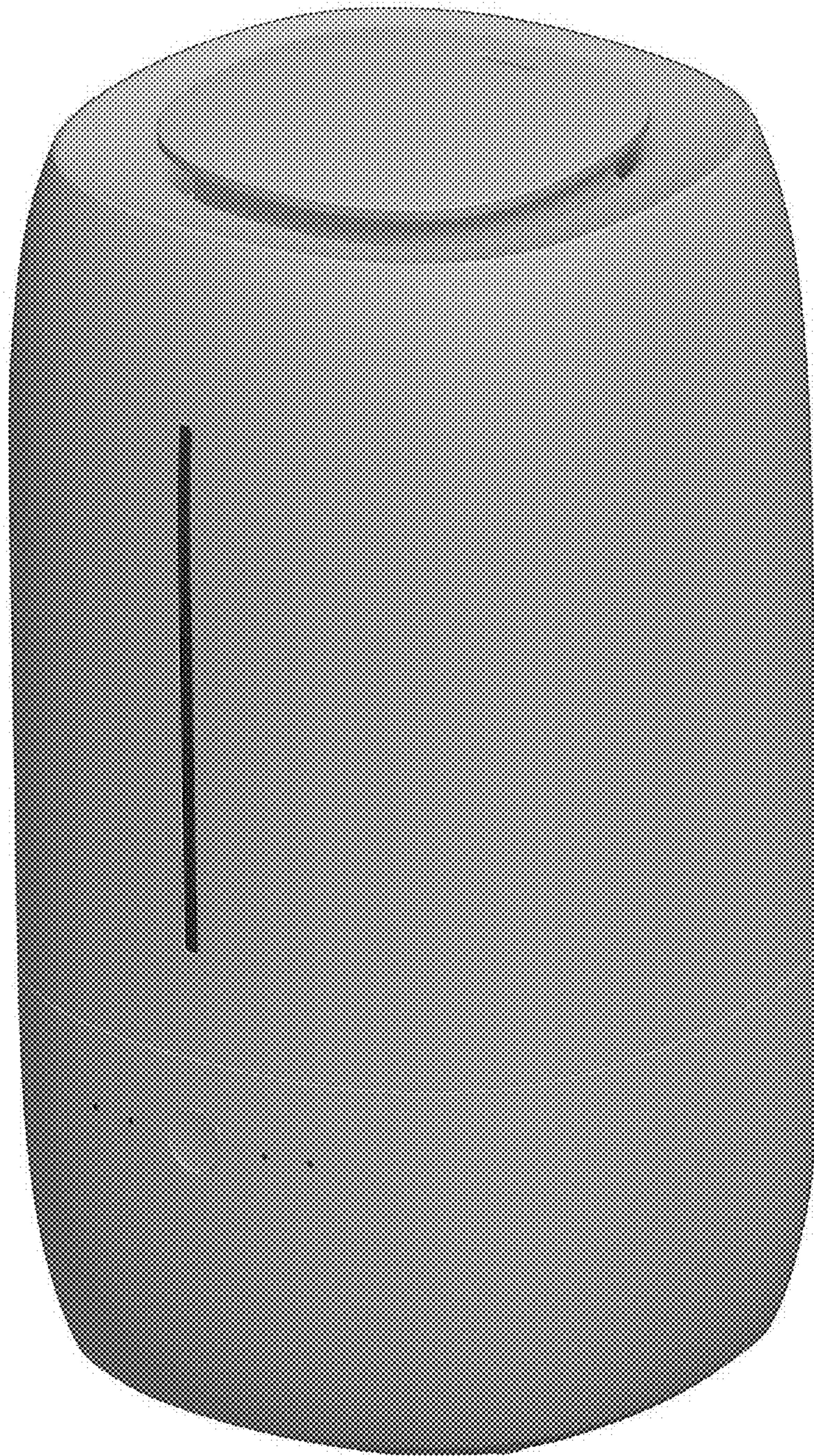


FIG. 1



FIG. 2



FIG. 3



FIG. 4

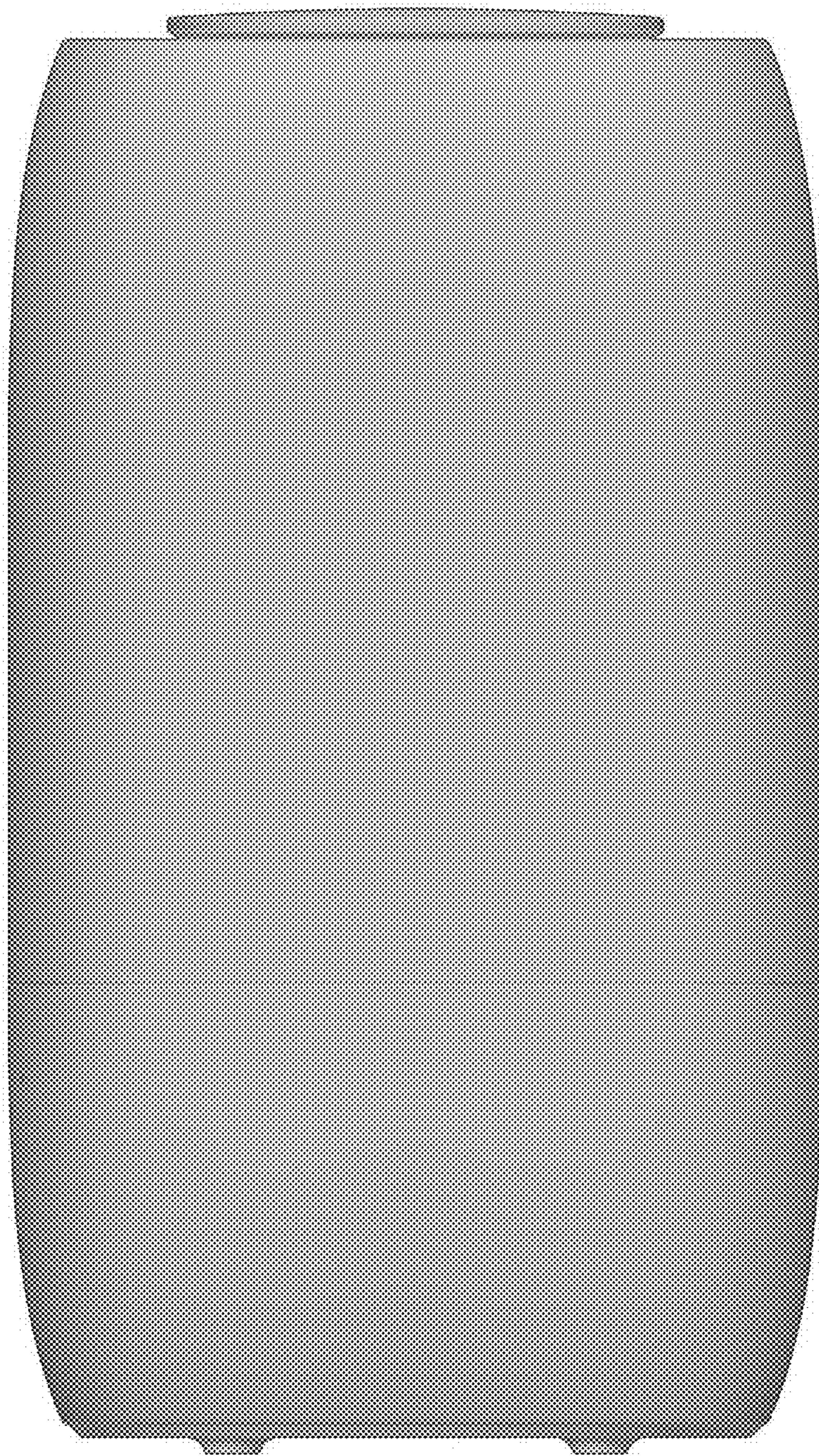


FIG. 5

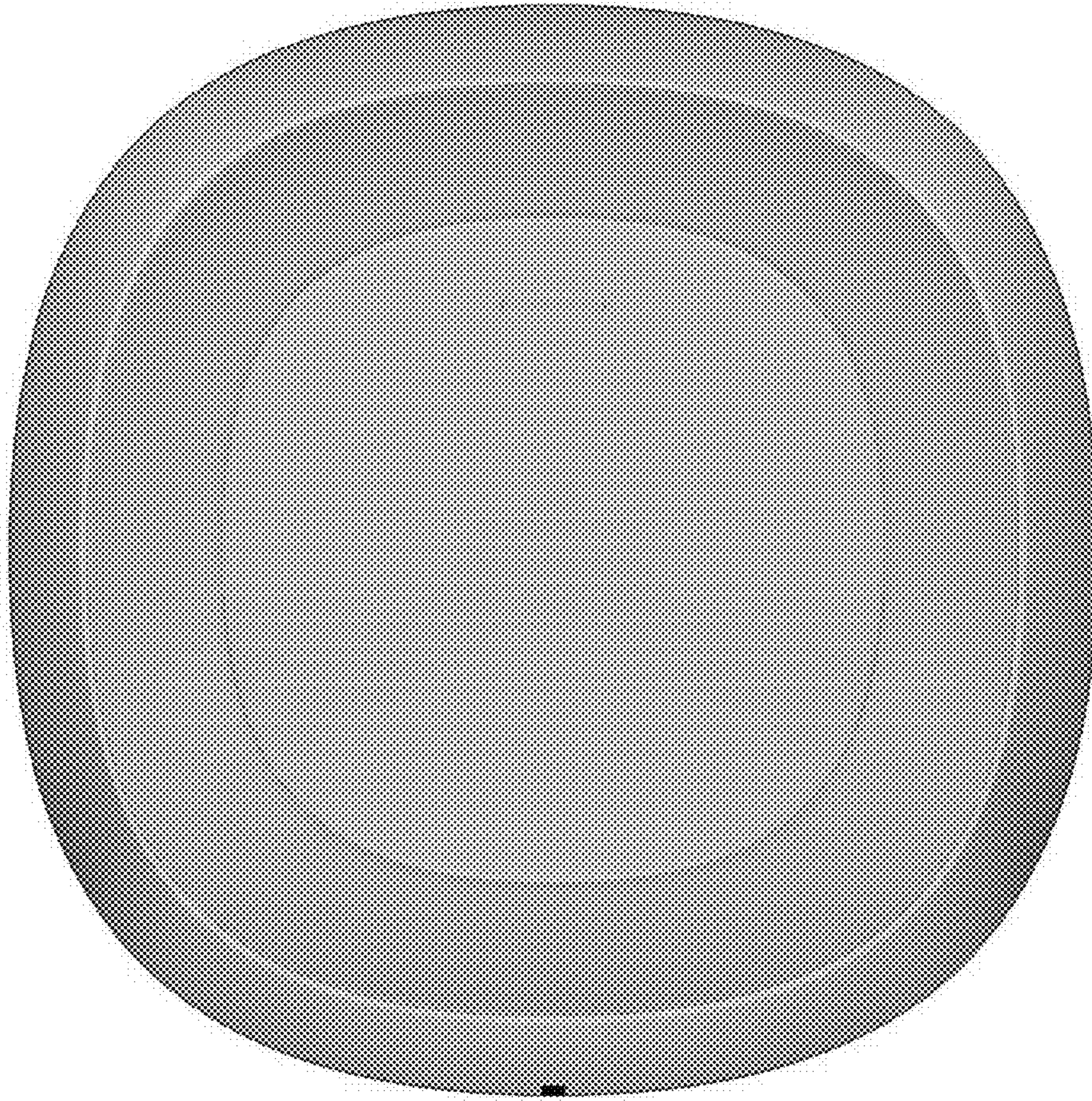


FIG. 6



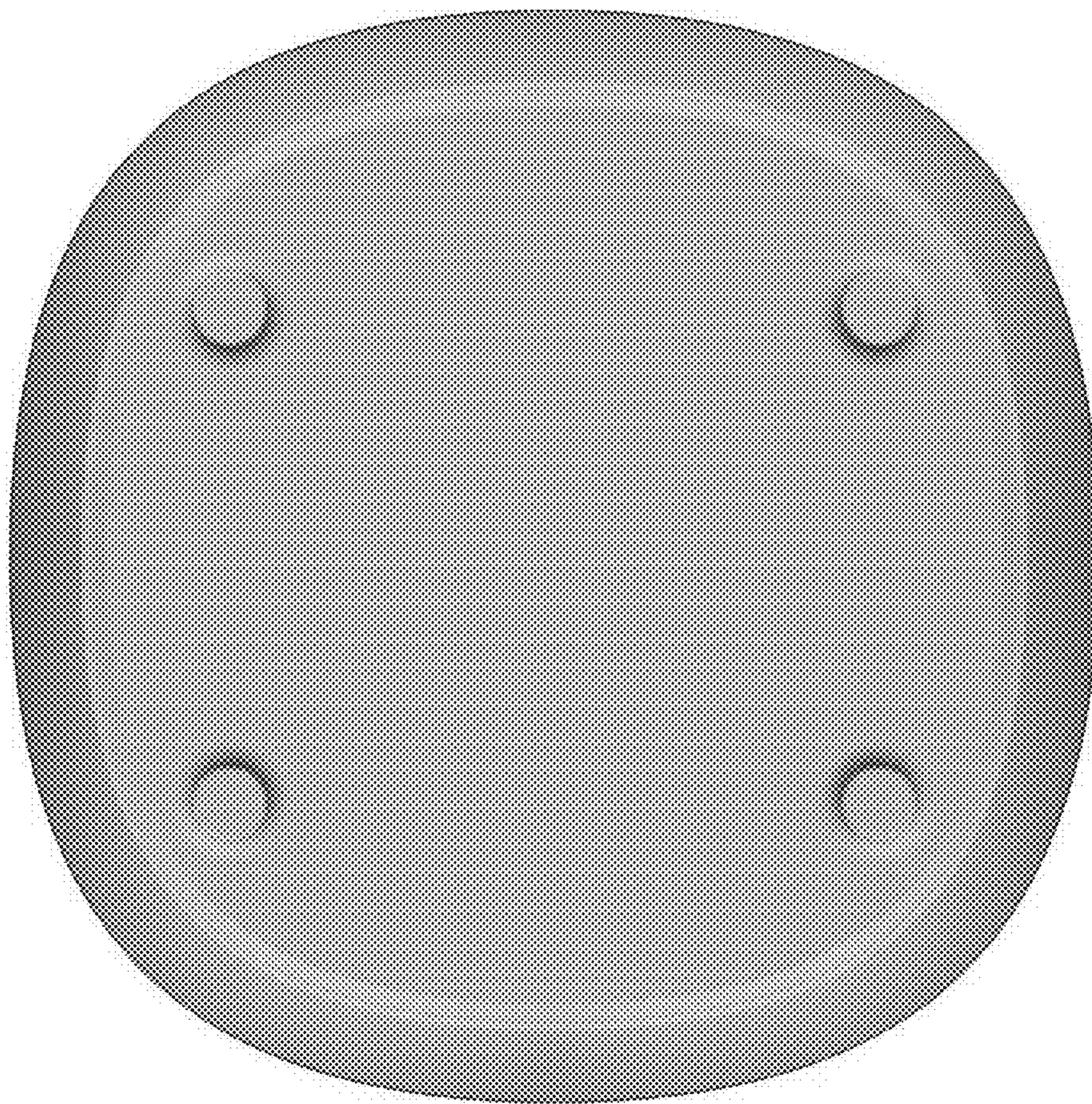


FIG. 7