



US00D828527S

(12) **United States Design Patent** (10) **Patent No.:** **US D828,527 S**  
**Xu** (45) **Date of Patent:** **\*\* Sep. 11, 2018**

(54) **HUMIDIFIER**  
(71) Applicant: **Guangdong BESTEK E-commerce Co., Ltd., Shenzhen (CN)**  
(72) Inventor: **Xinhua Xu, Shenzhen (CN)**  
(73) Assignee: **GUANGDONG BESTEK E-COMMERCE CO., LTD., Shenzhen (CN)**  
(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/606,368**  
(22) Filed: **Jun. 4, 2017**

(30) **Foreign Application Priority Data**  
May 4, 2017 (CN) ..... 2017 3 0159976  
(51) **LOC (11) Cl.** ..... **23-04**  
(52) **U.S. Cl.**  
USPC ..... **D23/356**  
(58) **Field of Classification Search**  
USPC ..... D23/355-366, 352, 369, 332, 333, 335, D23/336, 342, 351; 422/120, 122; 55/356, 473, 504; 96/97; 261/DIG. 17, 261/DIG. 65, DIG. 88, DIG. 31  
CPC .. A61L 9/16; A61L 9/22; B01D 47/00; B01D 47/027; B01D 2221/02; B01D 2259/4508; B03C 3/155; B03C 3/368; F24F 3/16; F24F 3/20; F24F 13/28; F24F 2001/0096; F24F 3/1405; F24F 3/1603  
See application file for complete search history.

(56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
D317,044 S \* 5/1991 Thomson ..... D23/367  
D330,757 S \* 11/1992 DeLaney ..... D23/364

D370,704 S \* 6/1996 Oberhoff ..... D21/684  
D419,560 S \* 1/2000 Cheung ..... D14/216  
D488,166 S \* 4/2004 Daniels ..... D10/104.1  
D488,800 S \* 4/2004 Wiener ..... D14/207  
D588,687 S \* 3/2009 Drucker ..... D23/366  
D595,829 S \* 7/2009 Drucker ..... D23/366  
D597,646 S \* 8/2009 Chapman ..... D23/366  
D598,527 S \* 8/2009 Fitsch ..... D23/356  
D612,924 S \* 3/2010 Jorgensen ..... D23/366  
D621,494 S \* 8/2010 Li ..... D23/366  
D622,835 S \* 8/2010 Mendheim ..... D23/364  
D629,880 S \* 12/2010 Hisey ..... D23/366  
D637,274 S \* 5/2011 Chan ..... D23/364  
D675,304 S \* 1/2013 Valentino ..... D23/366  
D691,253 S \* 10/2013 Chen ..... D23/366  
D691,587 S \* 10/2013 Ferber ..... D14/216  
D696,763 S \* 12/2013 Li ..... D23/366  
D703,300 S \* 4/2014 Lee ..... D23/362

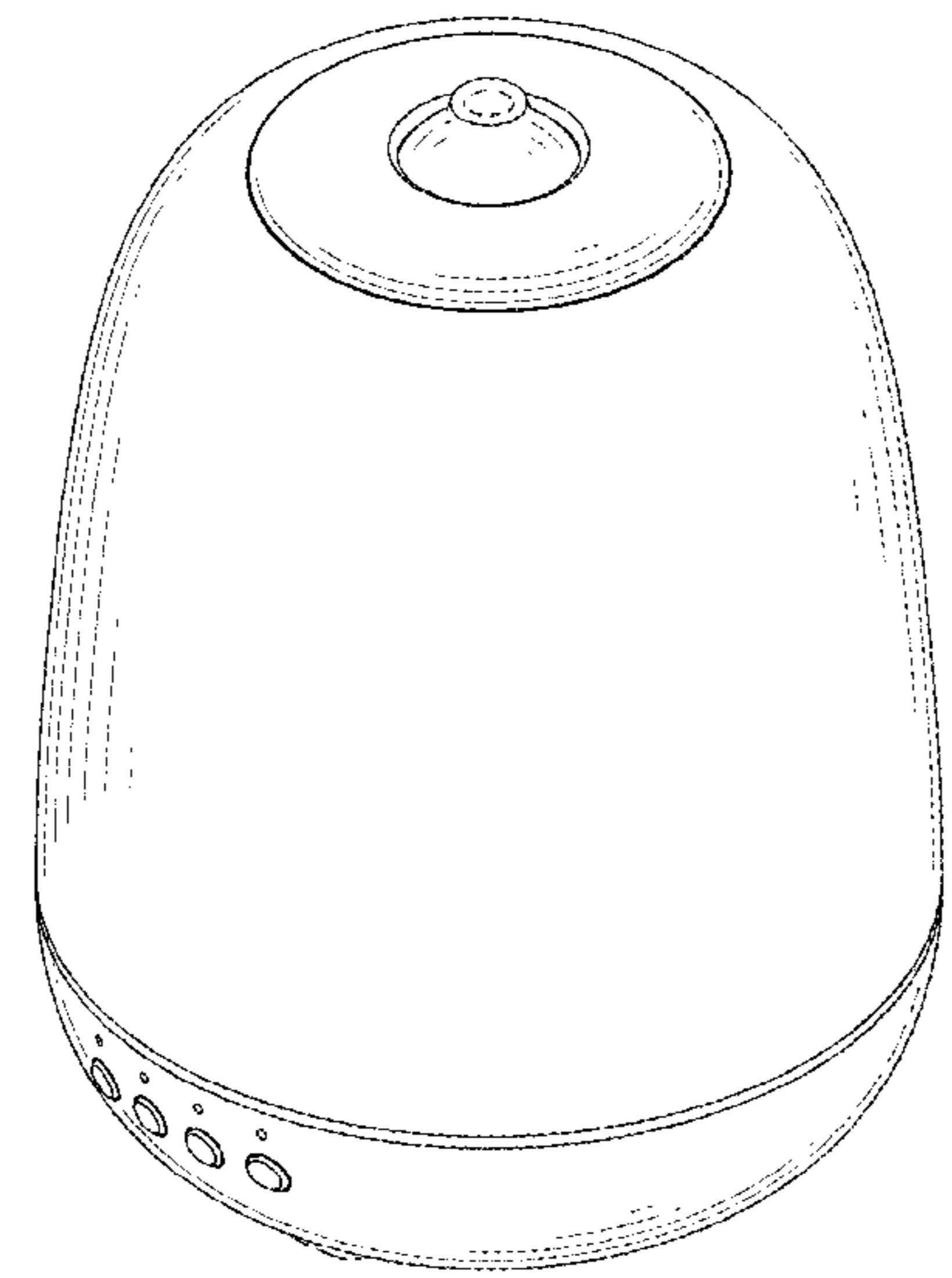
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*Primary Examiner* — David Muller  
*Assistant Examiner* — Nathan Johnston

(57) **CLAIM**  
The ornamental design for a humidifier, as shown and described.

**DESCRIPTION**  
FIG. 1 is a perspective view of the humidifier showing my new design in a first state;  
FIG. 2 is similar to FIG. 1, viewed from another aspect;  
FIG. 3 is a front elevational view thereof;  
FIG. 4 is a rear elevational view thereof;  
FIG. 5 is a left side elevational view thereof;  
FIG. 6 is a right side elevational view thereof;  
FIG. 7 is a top plan view thereof;  
FIG. 8 is a bottom plan view thereof; and,  
FIG. 9 is a perspective view of the humidifier in a second state.  
The broken lines are for the purposes of illustrating portions of the humidifier and form no part of the claimed design.

**1 Claim, 9 Drawing Sheets**



(56)

**References Cited**

## U.S. PATENT DOCUMENTS

D715,910 S \* 10/2014 Lin ..... A61L 9/03  
D23/366  
D728,768 S \* 5/2015 Matias ..... D23/366  
D729,370 S \* 5/2015 Chou ..... D23/366  
D733,859 S \* 7/2015 Hsiao ..... D23/366  
D735,314 S \* 7/2015 Benamor ..... D23/366  
D758,557 S \* 6/2016 Jih ..... D23/355  
D766,878 S \* 9/2016 Park ..... D14/216  
D777,311 S \* 1/2017 Chen ..... D23/332  
D794,763 S \* 8/2017 Thompson, Jr. .... D23/355  
D800,886 S \* 10/2017 Lin ..... D23/366  
D803,373 S \* 11/2017 Chou ..... D23/366  
D806,217 S \* 12/2017 Hui ..... D23/358  
9,833,533 B2 \* 12/2017 Baranowski ..... A61L 9/14  
D808,928 S \* 1/2018 Schaal ..... D14/216  
2004/0040274 A1 \* 3/2004 Amann ..... B01D 46/2411  
55/498  
2004/0129795 A1 \* 7/2004 Wongosari ..... A01M 1/2055  
239/60  
2007/0035044 A1 \* 2/2007 Chiu ..... F24F 6/02  
261/81  
2011/0011947 A1 \* 1/2011 Wallis ..... A61L 9/012  
239/34  
2012/0222548 A1 \* 9/2012 Lev ..... F24F 6/12  
95/1

\* cited by examiner

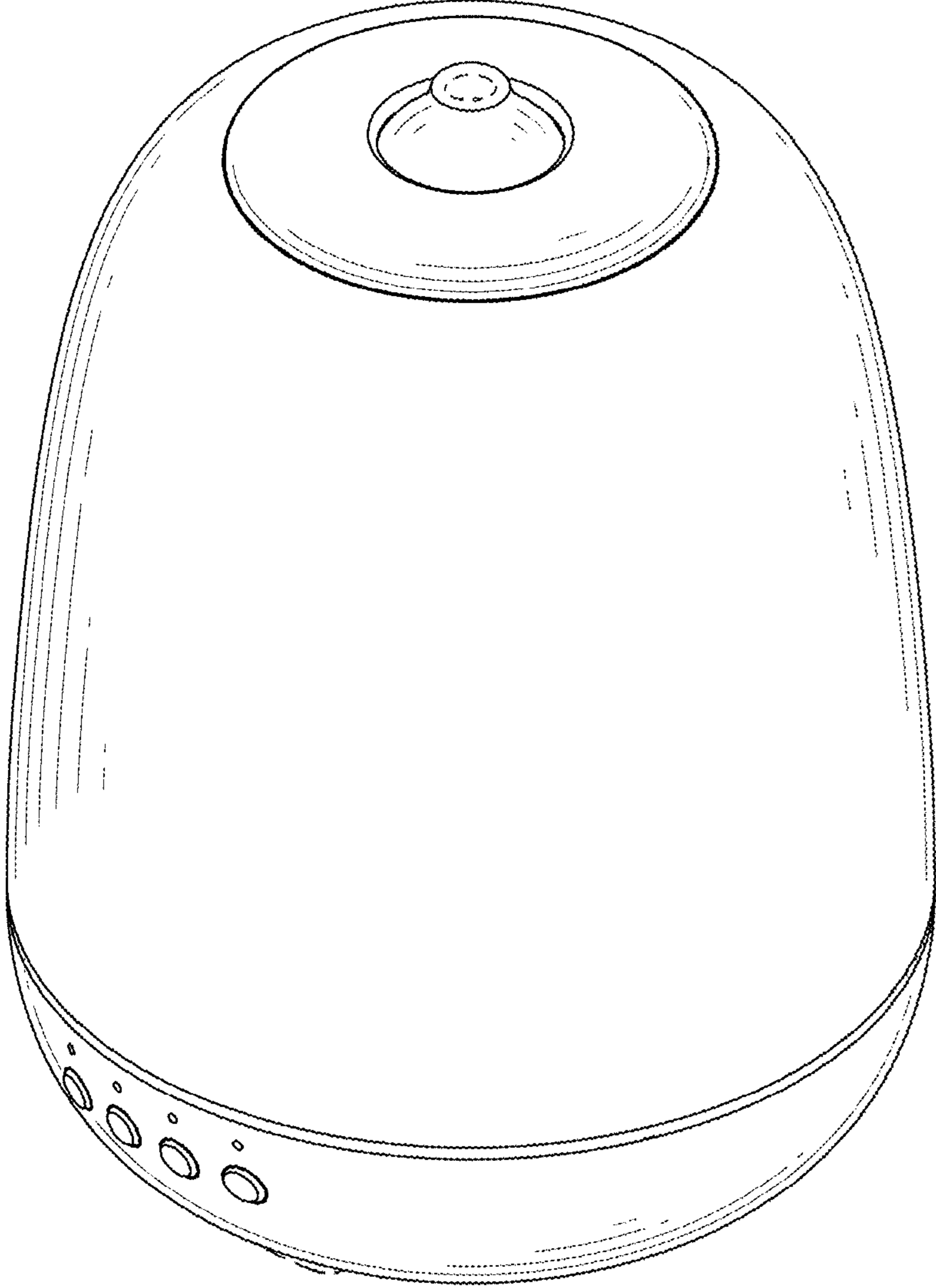


FIG. 1

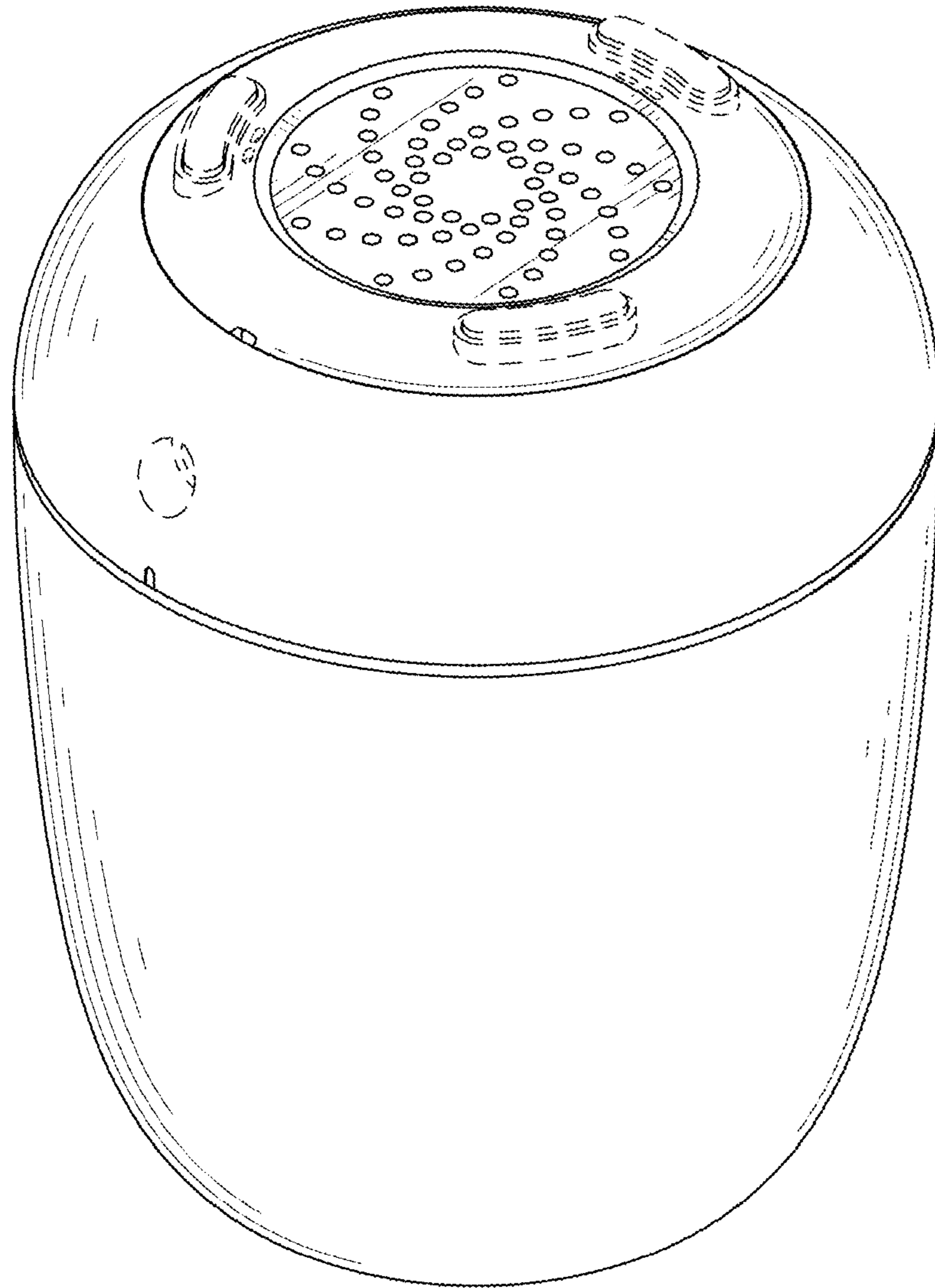


FIG. 2

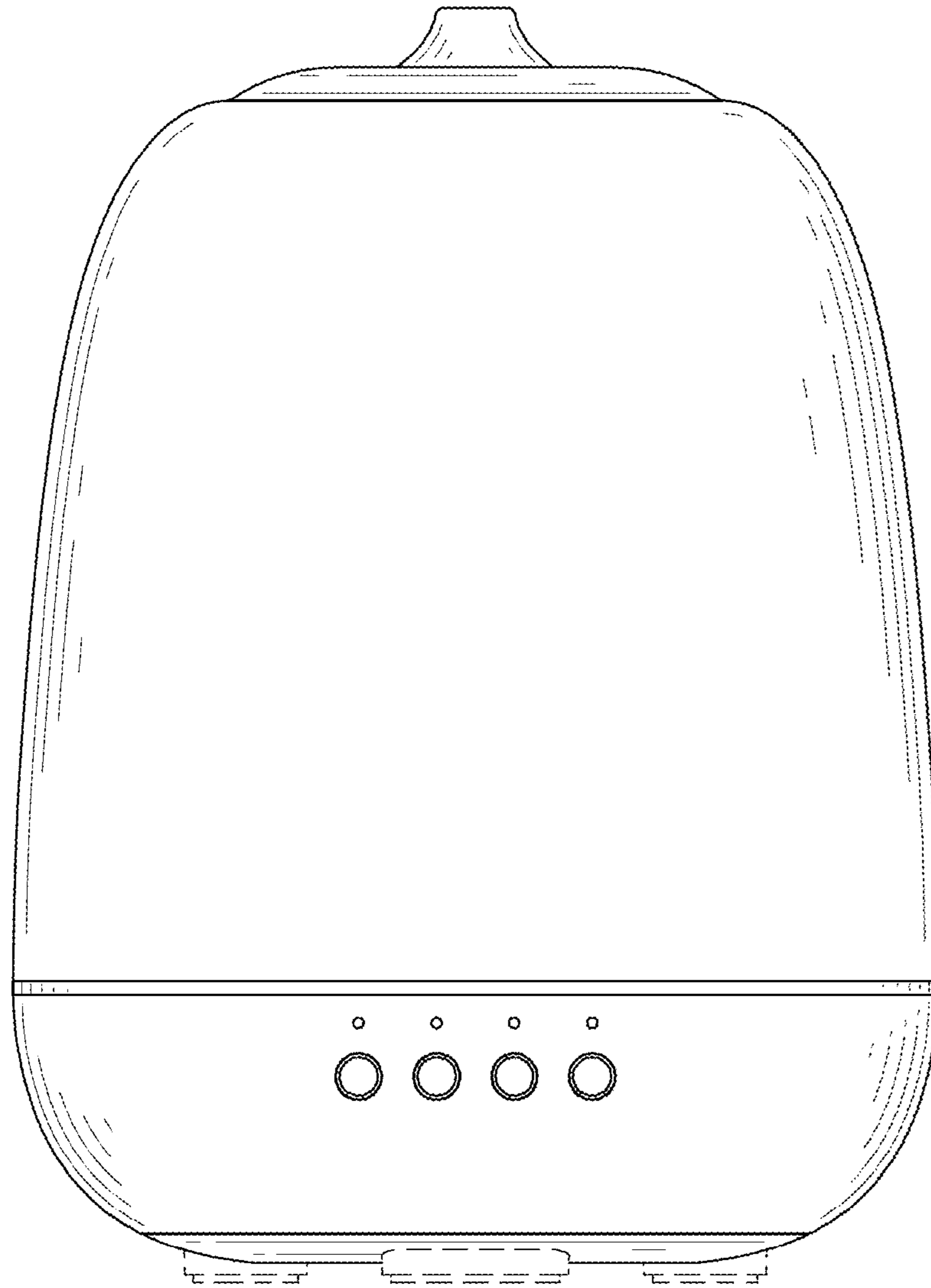


FIG. 3

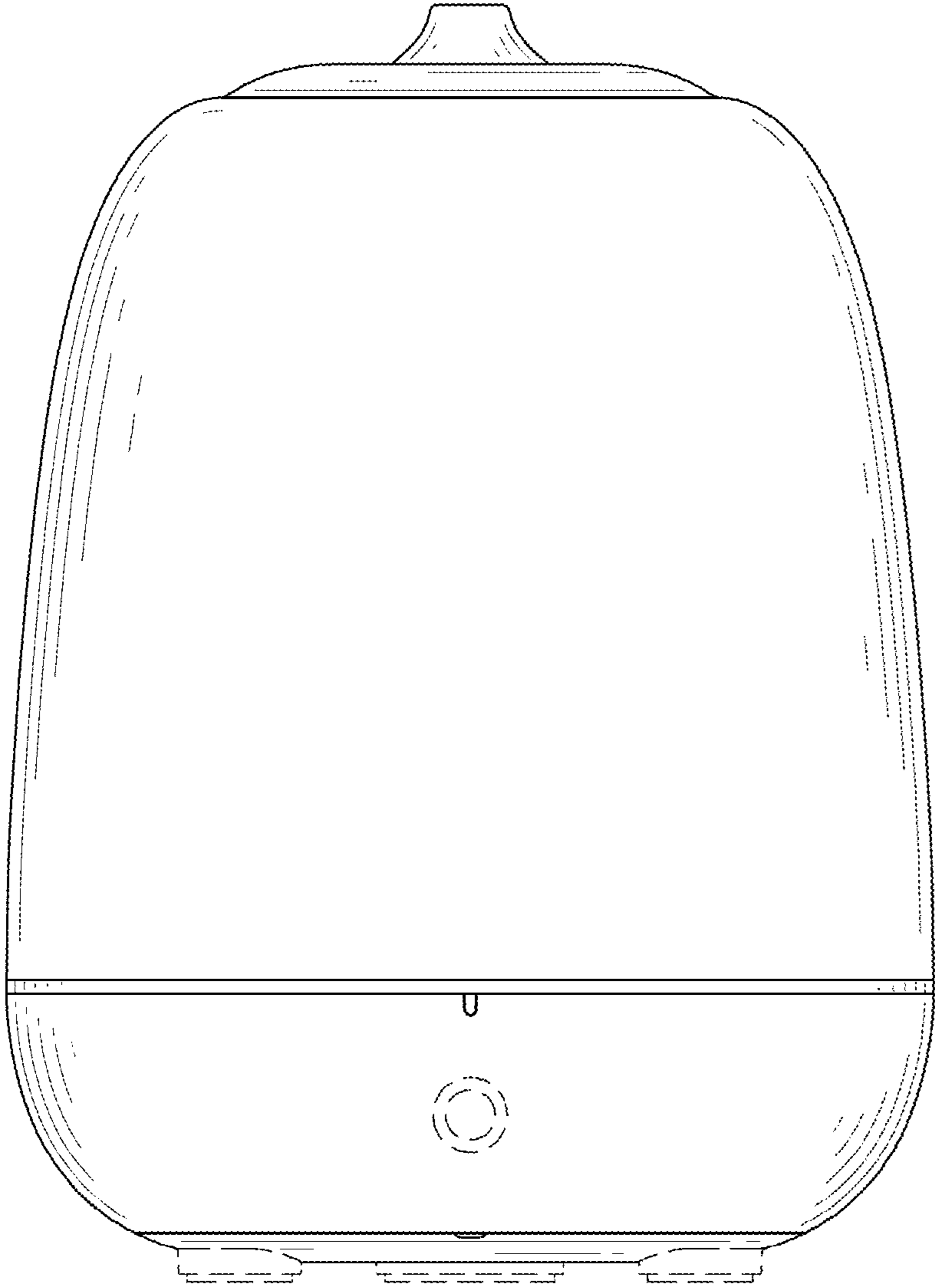


FIG. 4

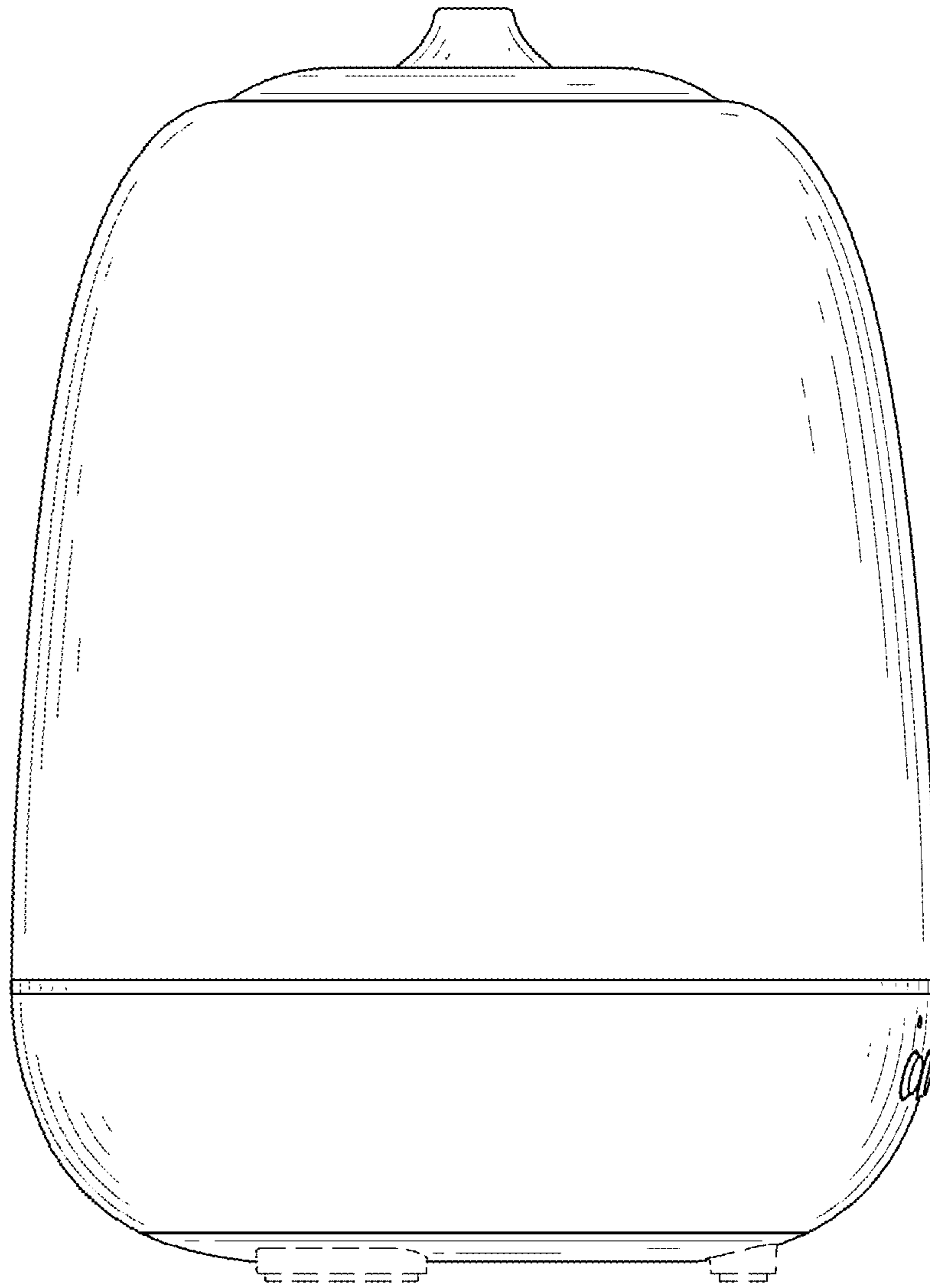


FIG. 5

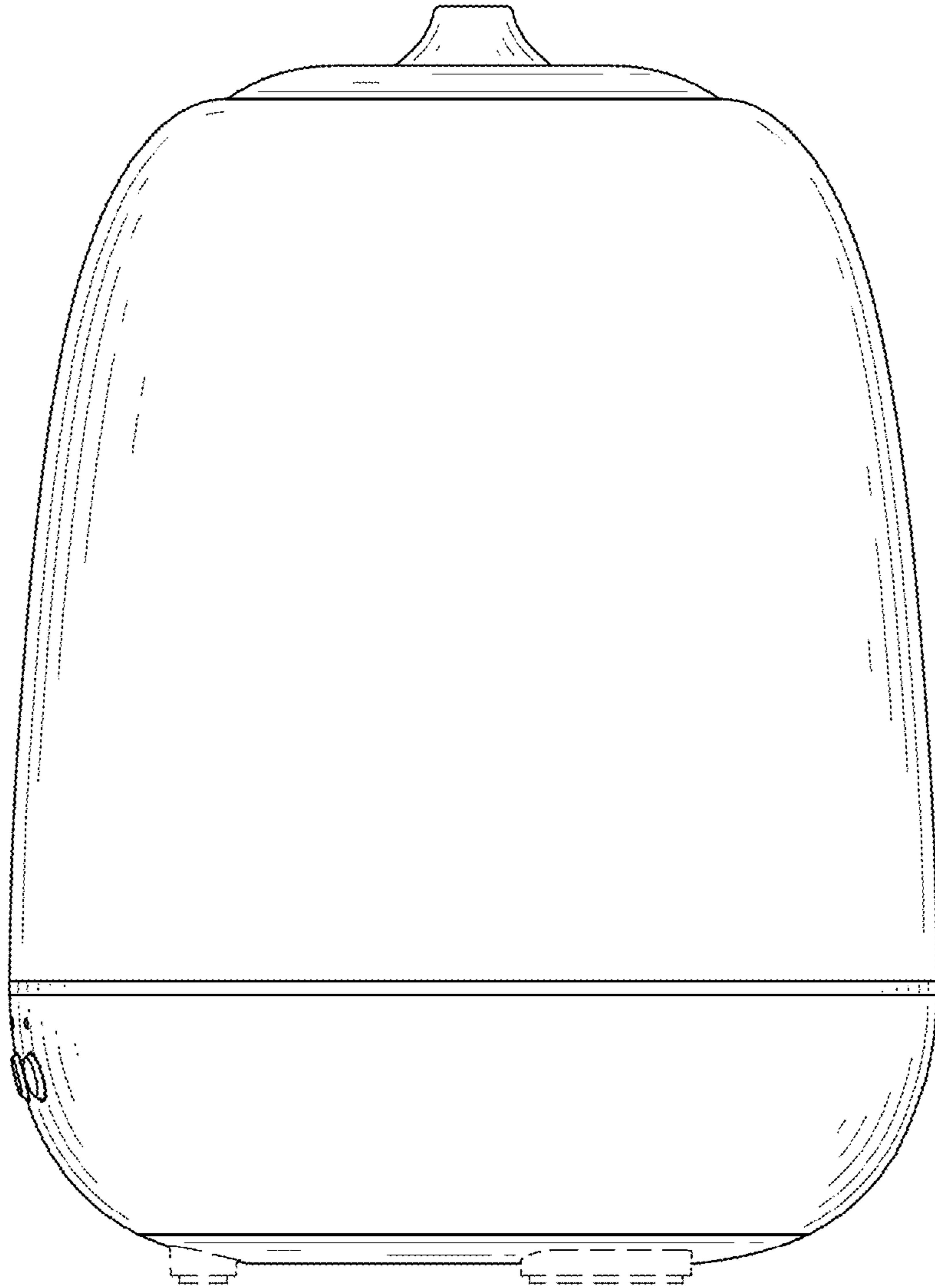


FIG. 6



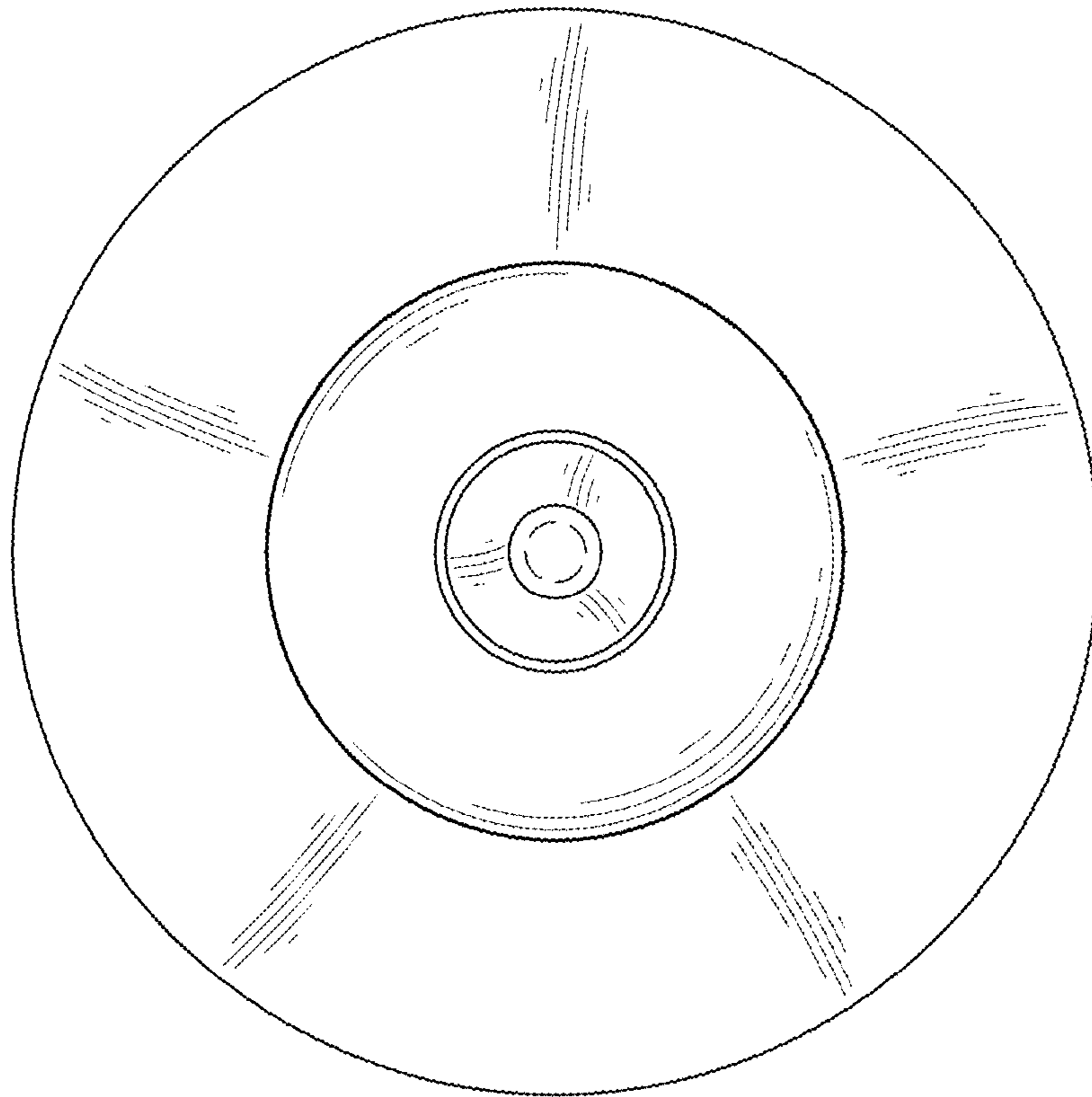


FIG. 7

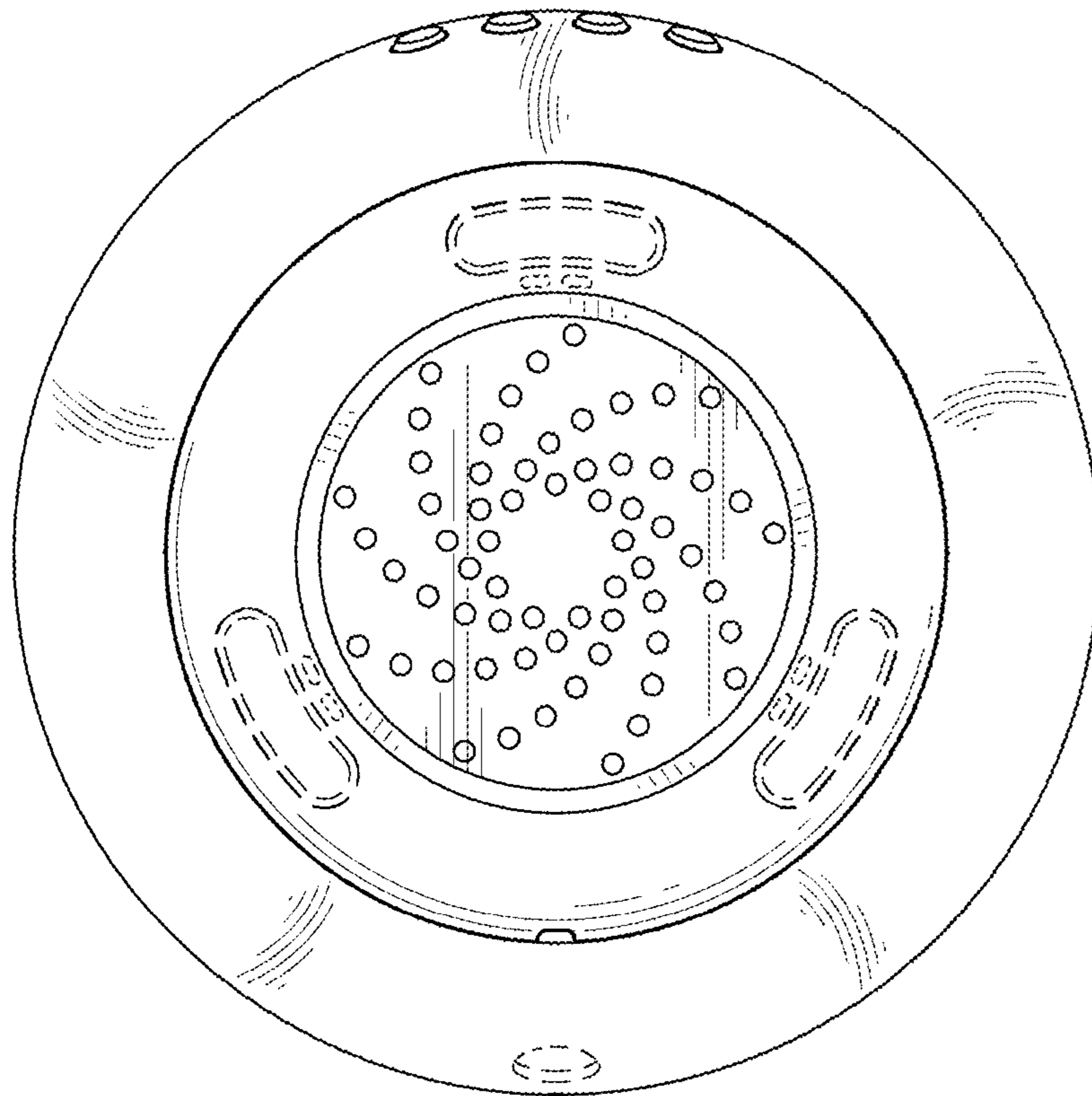


FIG. 8

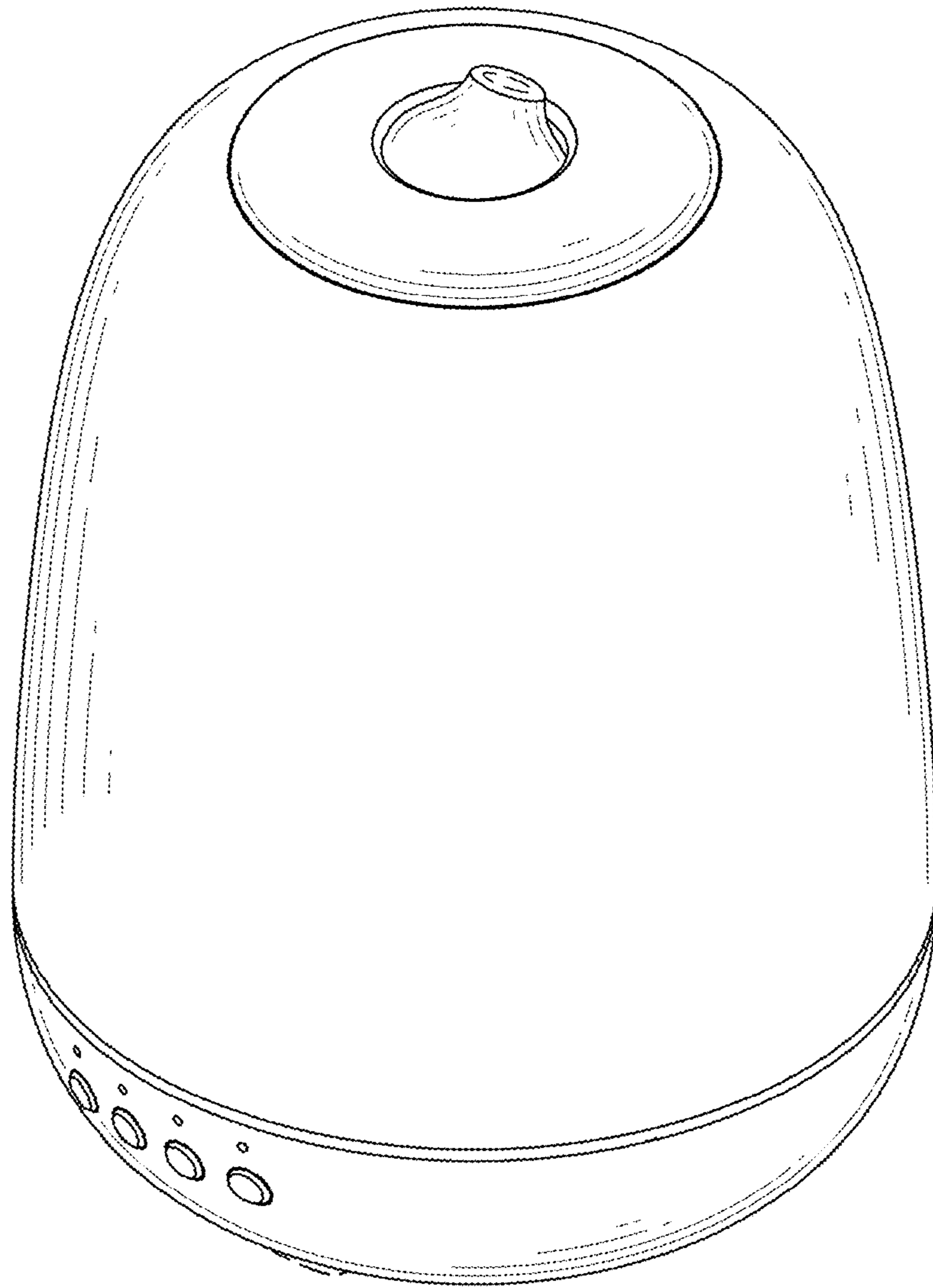


FIG. 9