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(12) **United States Design Patent**  
**Lu et al.**

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(54) **DEHUMIDIFIER**

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

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(51) **LOC (12) Cl.** ..... **28-99**

(52) **U.S. Cl.**  
USPC ..... **D23/359**

(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; D14/188, 170, D14/172; 261/DIG. 17; D18/34.6  
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 13/20; F24F 13/28; F24F 2001/0096  
See application file for complete search history.

D484,585 S \* 12/2003 Upson ..... D23/366  
D491,257 S \* 6/2004 Picken, Jr. .... D23/366  
D510,991 S \* 10/2005 Harbutt ..... D23/366  
D522,118 S \* 5/2006 Miro ..... D23/366  
D536,081 S \* 1/2007 Steinel ..... D23/366  
D547,430 S \* 7/2007 Low ..... D21/713  
D599,897 S \* 9/2009 Low ..... D23/364  
D610,667 S \* 2/2010 Espiritu, Jr. .... D23/367  
D611,587 S \* 3/2010 Dineen ..... D23/366  
D612,473 S \* 3/2010 Valentino ..... D23/366  
D616,415 S \* 5/2010 Lum ..... D14/188  
D617,439 S \* 6/2010 Valentino ..... D23/367  
D628,282 S \* 11/2010 Espiritu, Jr. .... D23/366  
8,020,785 B2 \* 9/2011 Chao ..... A61Q 15/00  
239/53  
D698,429 S \* 1/2014 Jorgensen ..... D23/366  
D703,300 S \* 4/2014 Lee ..... D23/362  
D719,248 S \* 12/2014 Smith, Jr. .... D23/356  
D752,807 S \* 3/2016 Young ..... D23/362  
D753,279 S \* 4/2016 Li ..... D23/366  
D758,557 S \* 6/2016 Jih ..... D23/355

(Continued)

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(57) **CLAIM**

The ornamental design for a dehumidifier, as shown and described.

**DESCRIPTION**

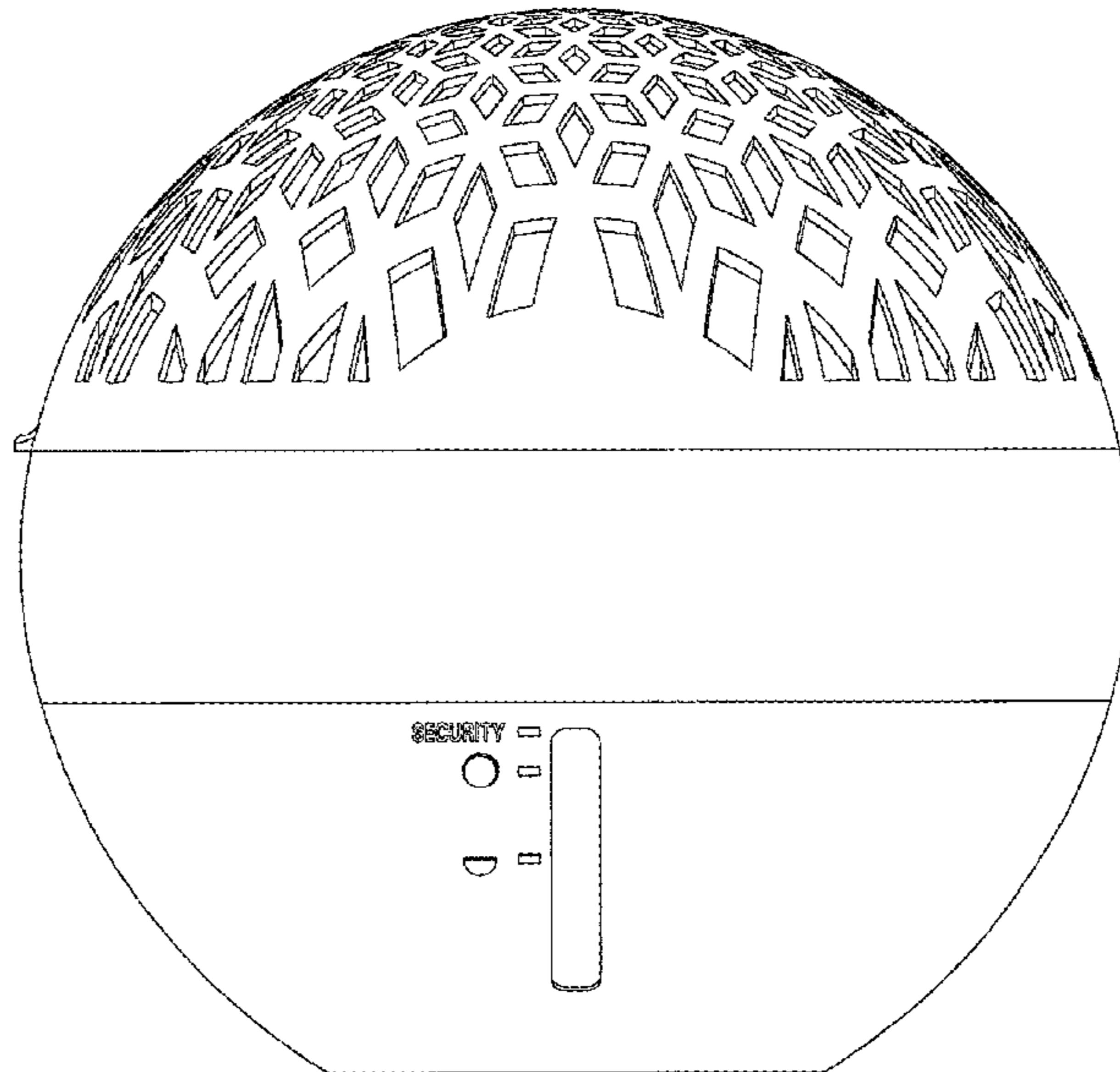
FIG. 1 is a front elevational view of a dehumidifier showing our new design;  
FIG. 2 is a rear elevational view thereof;  
FIG. 3 is a left side view thereof;  
FIG. 4 is a right side view thereof;  
FIG. 5 is a top plan view thereof;  
FIG. 6 is a bottom plan view thereof; and,  
FIG. 7 is a perspective view thereof.  
The broken lines shown in the dehumidifier form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D146,906 S \* 6/1947 Gibson ..... D23/362  
D274,837 S \* 7/1984 Lynch ..... D23/364  
4,660,764 A \* 4/1987 Joyaux ..... A61L 9/12  
239/44  
D292,311 S \* 10/1987 Joyaux ..... D23/366  
D319,583 S \* 9/1991 Halm ..... D23/366  
D334,975 S \* 4/1993 Bunce ..... D23/366  
D460,168 S \* 7/2002 Chen ..... D23/364  
6,548,015 B1 \* 4/2003 Stubbs ..... A01M 1/2061  
422/122  
D484,229 S \* 12/2003 Upson ..... D23/366



(56)

**References Cited**

U.S. PATENT DOCUMENTS

D810,263 S \* 2/2018 Lu ..... D23/366  
D813,366 S \* 3/2018 Tang ..... D23/366  
D824,506 S \* 7/2018 Umholtz ..... D23/365  
2003/0080197 A1\* 5/2003 Tuomikoski ..... A01M 31/008  
239/44  
2006/0081721 A1\* 4/2006 Caserta ..... A01M 1/2044  
239/44  
2012/0061486 A1\* 3/2012 Atkinson ..... A01M 1/2044  
239/34  
2014/0061328 A1\* 3/2014 Haymond ..... A61L 9/12  
239/6  
2014/0263723 A1\* 9/2014 Hsiao ..... A61L 9/14  
239/102.2  
2014/0321120 A1\* 10/2014 Pas ..... A61L 9/03  
362/253  
2016/0106876 A1\* 4/2016 Jih ..... A61L 9/122  
261/32

\* cited by examiner

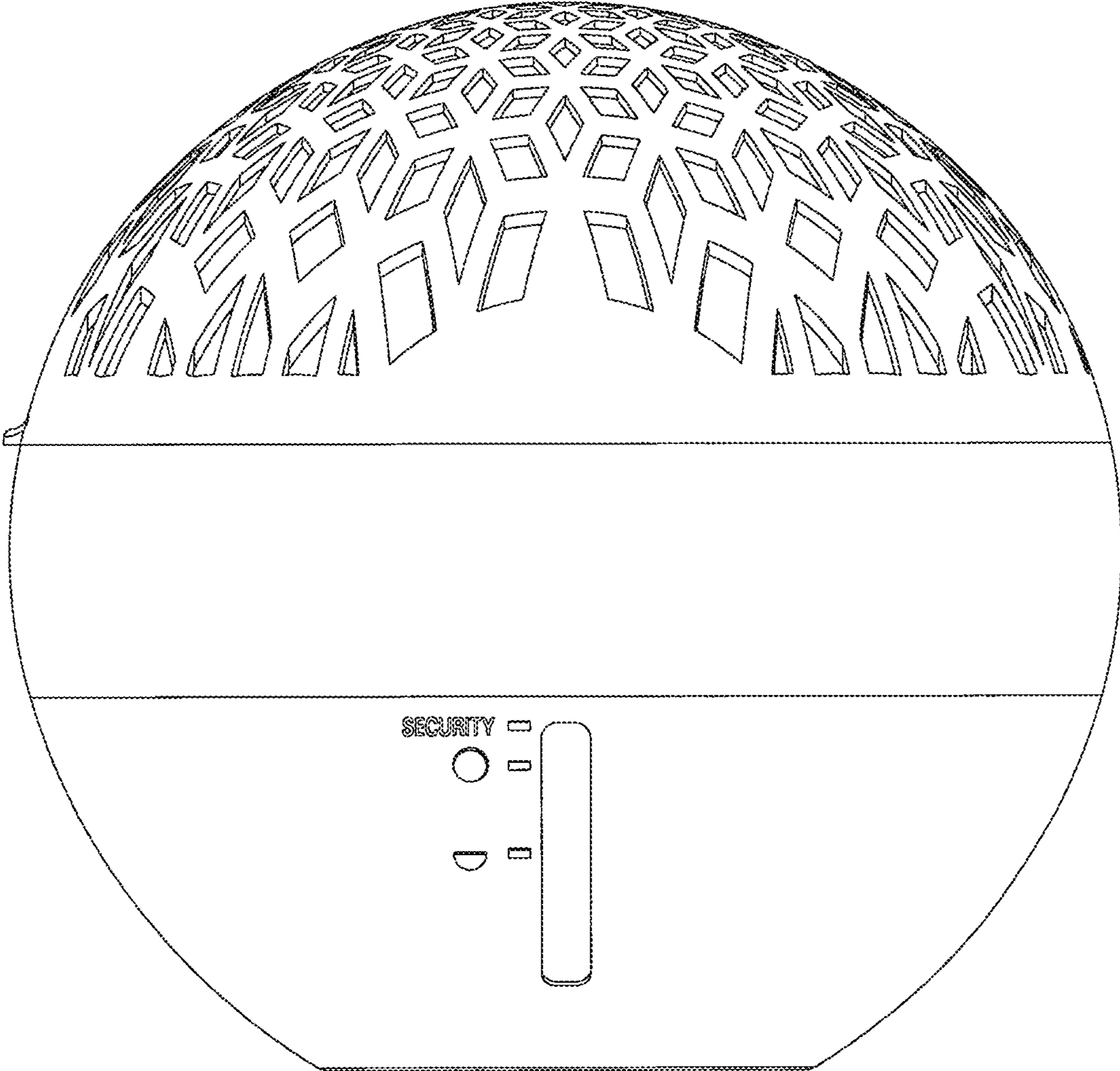


Fig. 1

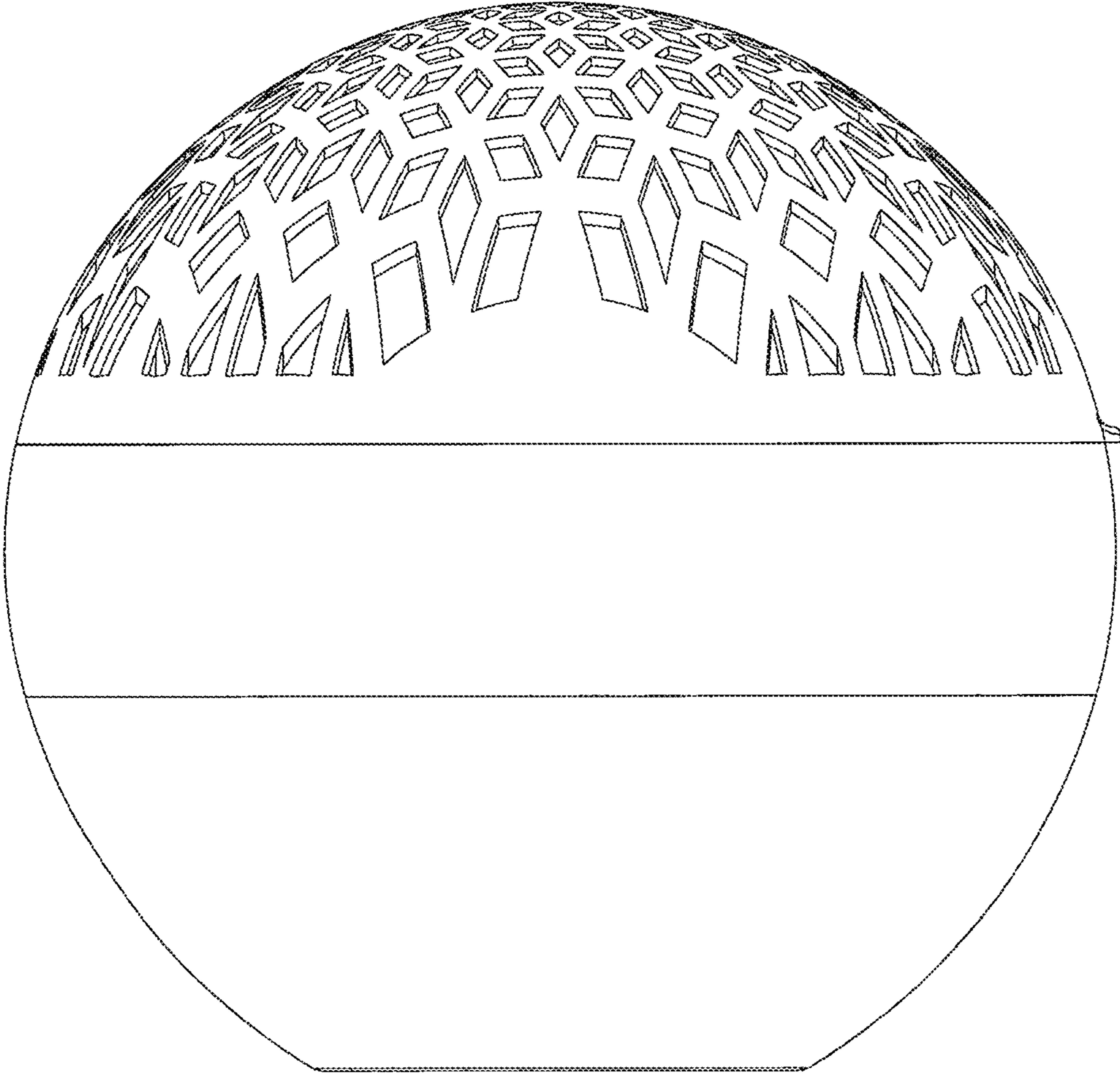


Fig. 2

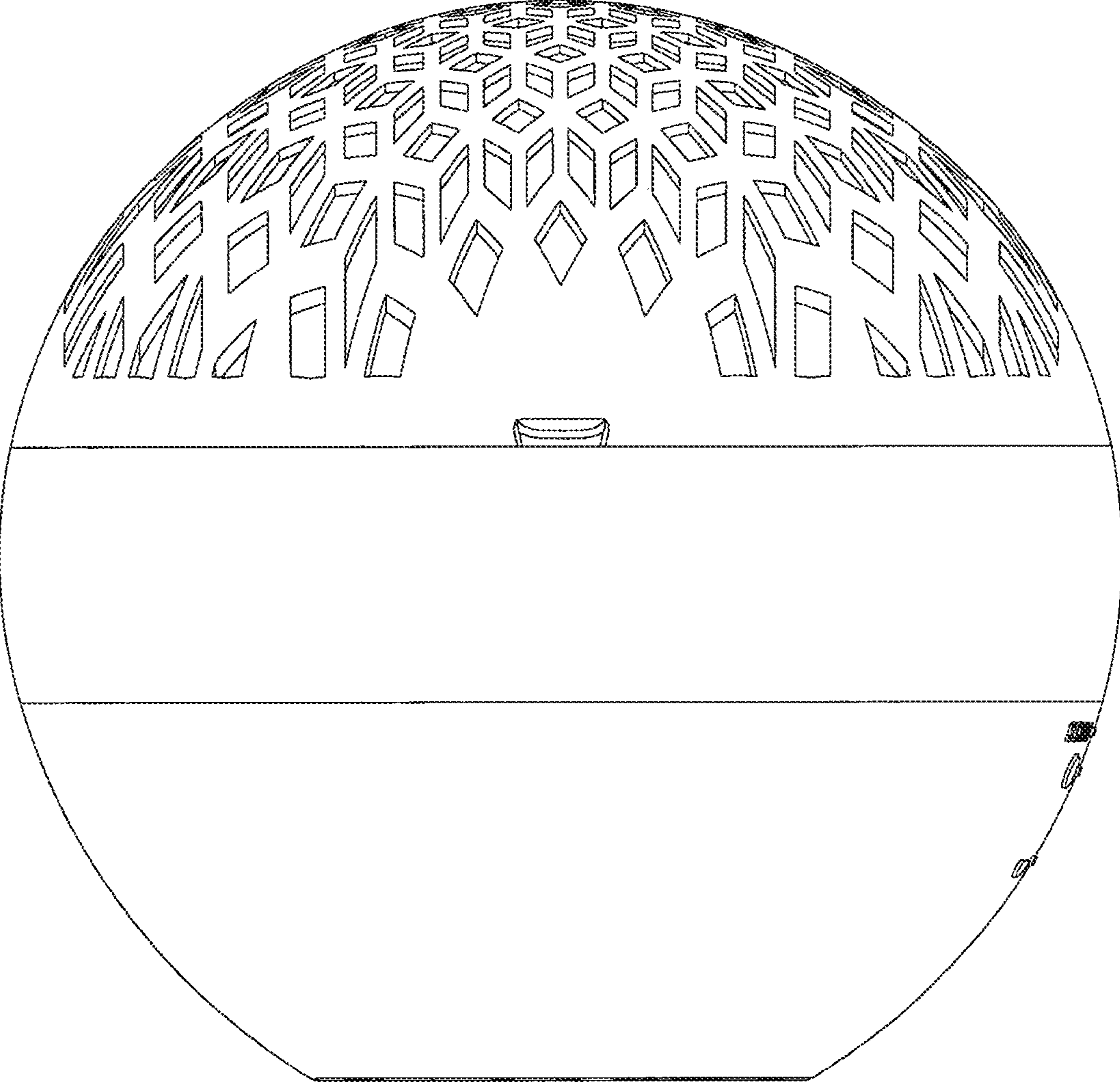


Fig. 3

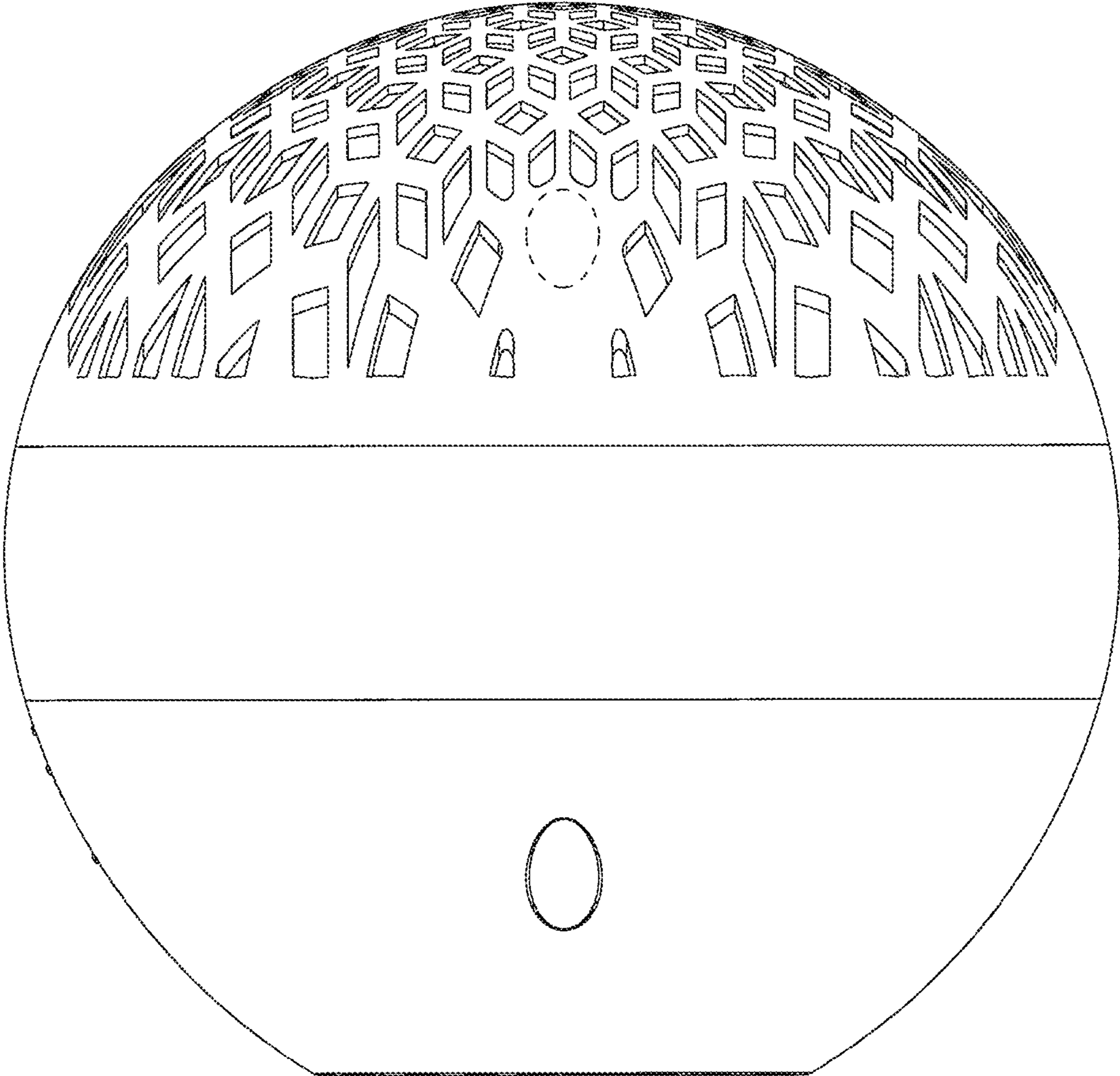


Fig. 4

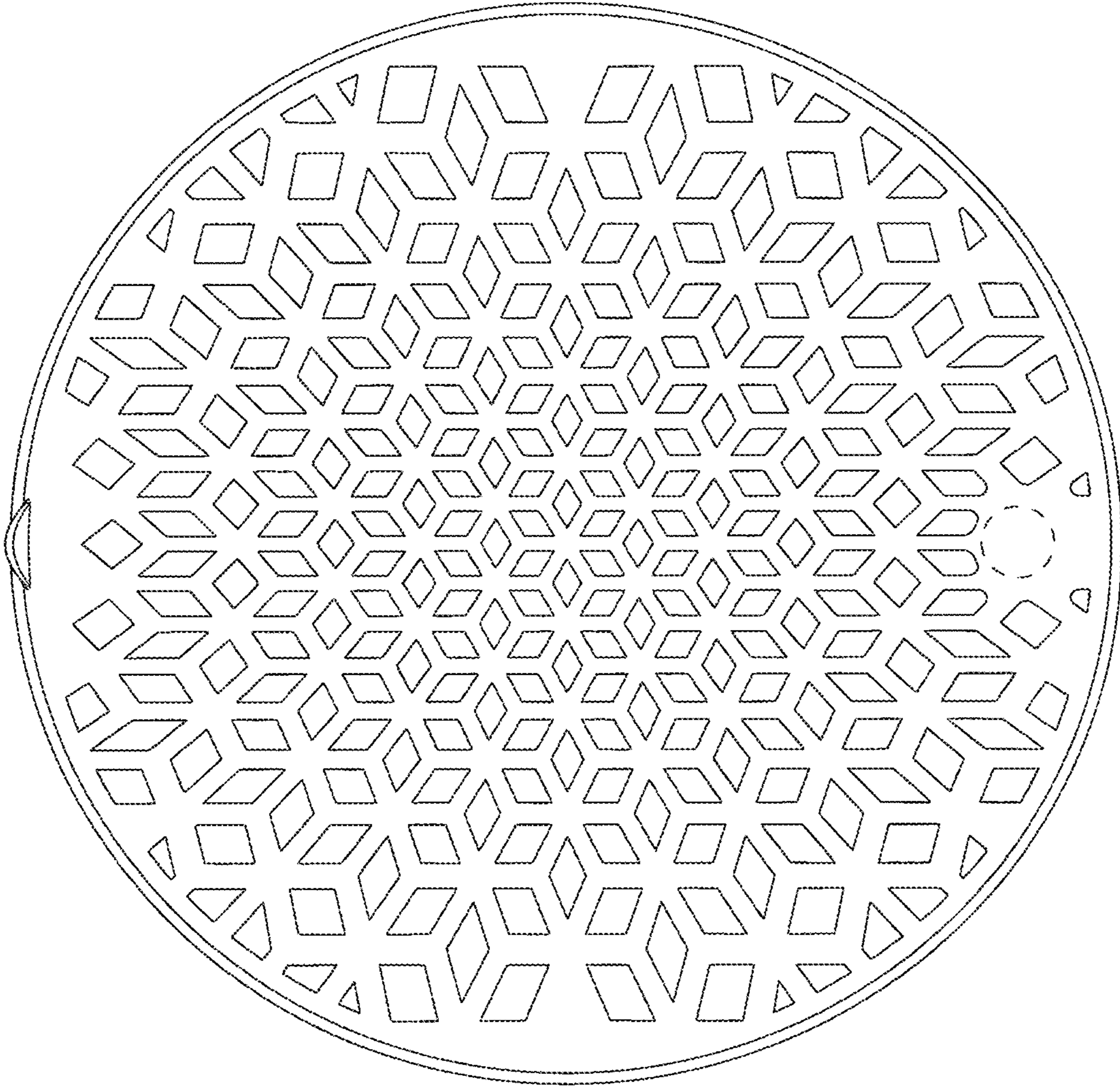


Fig. 5

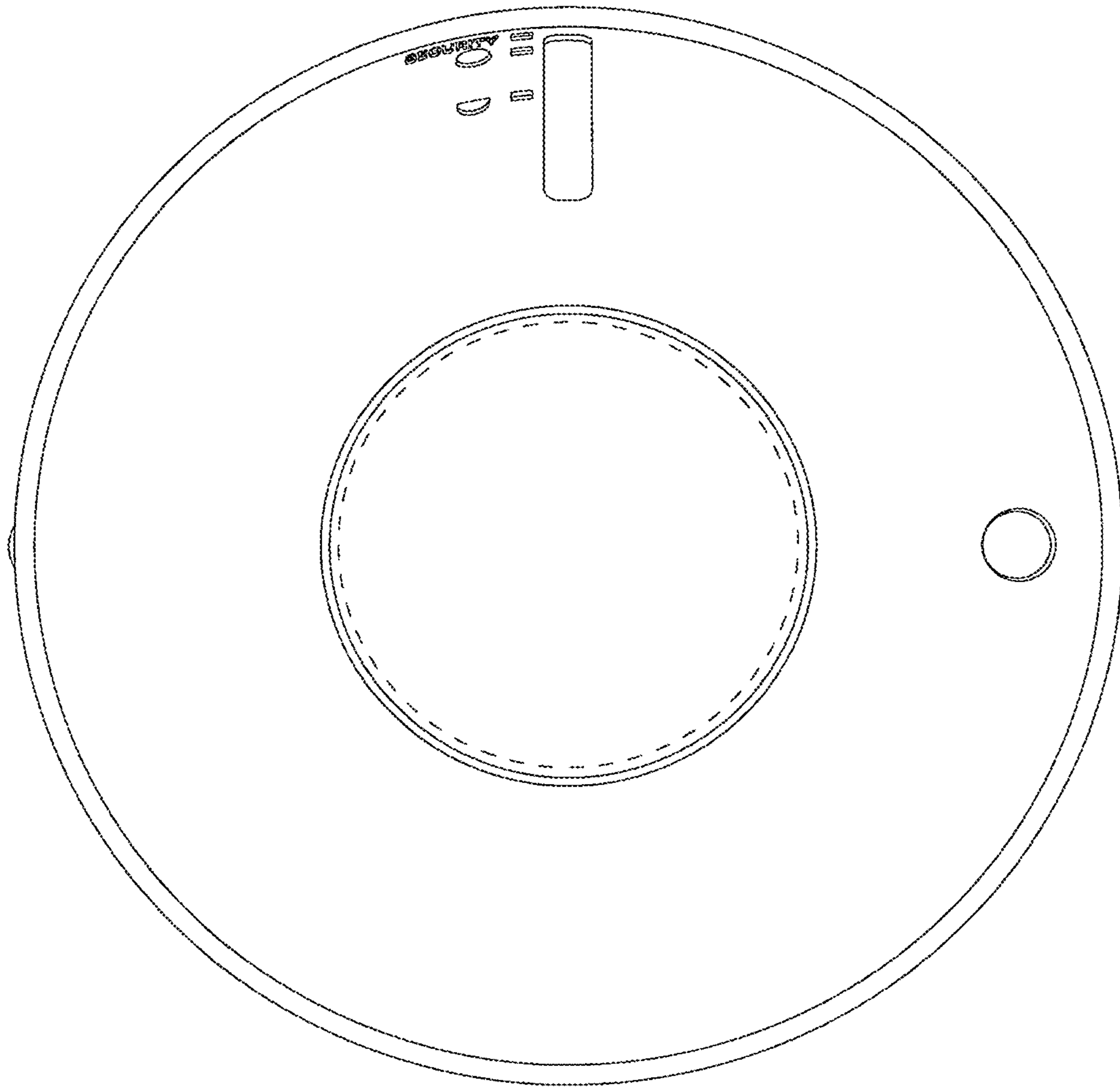


Fig. 6



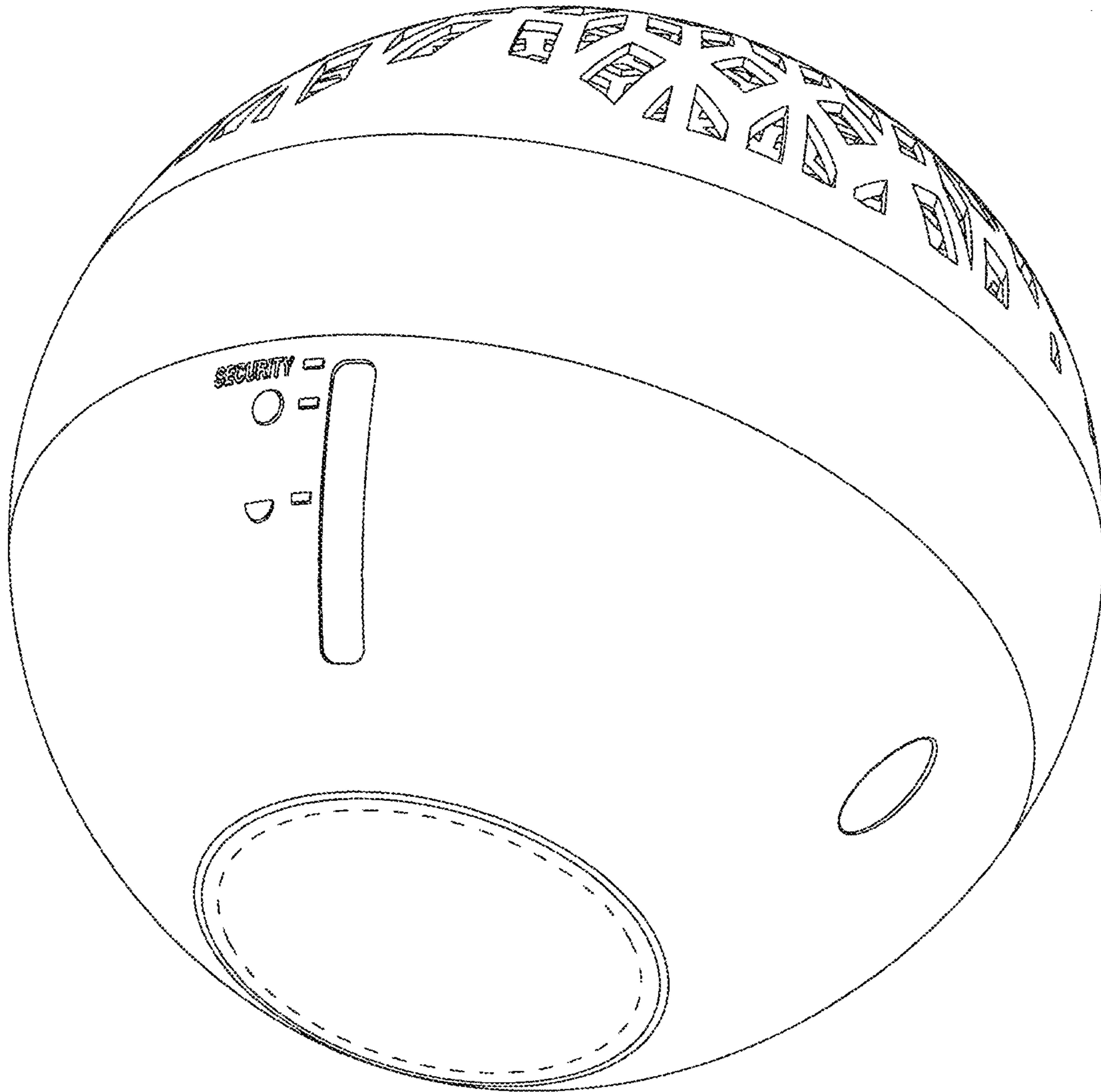


Fig. 7