



US00D760380S

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

(10) **Patent No.:** **US D760,380 S**  
(45) **Date of Patent:** **\*\* Jun. 28, 2016**

(54) **CHILD ACTIVE VENTING SYSTEM FOR DISPOSABLE RESPIRATOR**

(71) Applicant: **INNOSPARKS PTE LTD**, Singapore (SG)

(72) Inventors: **Ee Ho Tang**, Singapore (SG); **Kwok Jiang Sak**, Singapore (SG); **Wei Liang Jerome Lee**, Singapore (SG)

(73) Assignee: **INNOSPARKS PTE LTD**, Singapore (SG)

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/508,498**

(22) Filed: **Nov. 6, 2014**

(30) **Foreign Application Priority Data**

May 8, 2014 (SG) ..... D2014/575/C

(51) **LOC (10) Cl.** ..... **29-02**

(52) **U.S. Cl.**  
USPC ..... **D24/110.6**

(58) **Field of Classification Search**  
USPC ..... D24/110.1–110.6, 127  
CPC ..... A62B 18/10; A62B 18/02; A62B 18/025; A62B 9/02; A62B 23/02; A62B 18/08; A61M 16/06; A61M 16/208; A61M 16/105  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- D249,279 S \* 9/1978 Backlund ..... D23/233
- D347,298 S \* 5/1994 Japuntich ..... D24/110.4
- D347,299 S \* 5/1994 Bryant ..... D16/313
- D389,239 S \* 1/1998 Scholey ..... D24/110.6
- D413,166 S \* 8/1999 Snow ..... D24/110.1
- 6,047,698 A \* 4/2000 Magidson ..... A62B 18/10  
128/205.24
- 6,125,849 A \* 10/2000 Williams ..... A62B 23/025  
128/206.12
- 6,584,976 B2 \* 7/2003 Japuntich ..... A41D 13/11  
128/201.25

- 7,114,496 B1 \* 10/2006 Resnick ..... A62B 23/02  
128/201.25
- 7,117,868 B1 \* 10/2006 Japuntich ..... A62B 18/025  
128/205.27

(Continued)

**OTHER PUBLICATIONS**

How Smart Mask Works. AIR+ Smart Mask. www.airplus.sg. Date accessed Sep. 15, 2015. <<http://www.airplus.sg/how.html#Smart-Mask-works>>.\*

*Primary Examiner* — Sheryl Lane

*Assistant Examiner* — Lilyana Bekic

(74) *Attorney, Agent, or Firm* — Law Offices of Albert Wai-Kit Chan, PLLC

(57) **CLAIM**

We claim the ornamental design for a child active venting system for disposable respirator, as shown and described.

**DESCRIPTION**

FIG. 1 is an illustration of a perspective view of a child active venting system in accordance with the present design.

FIG. 2 is an illustration of a front view of the child active venting system depicted in FIG. 1 in accordance with the present design.

FIG. 3 is an illustration of a back view of the child active venting system depicted in FIG. 1 in accordance with the present design.

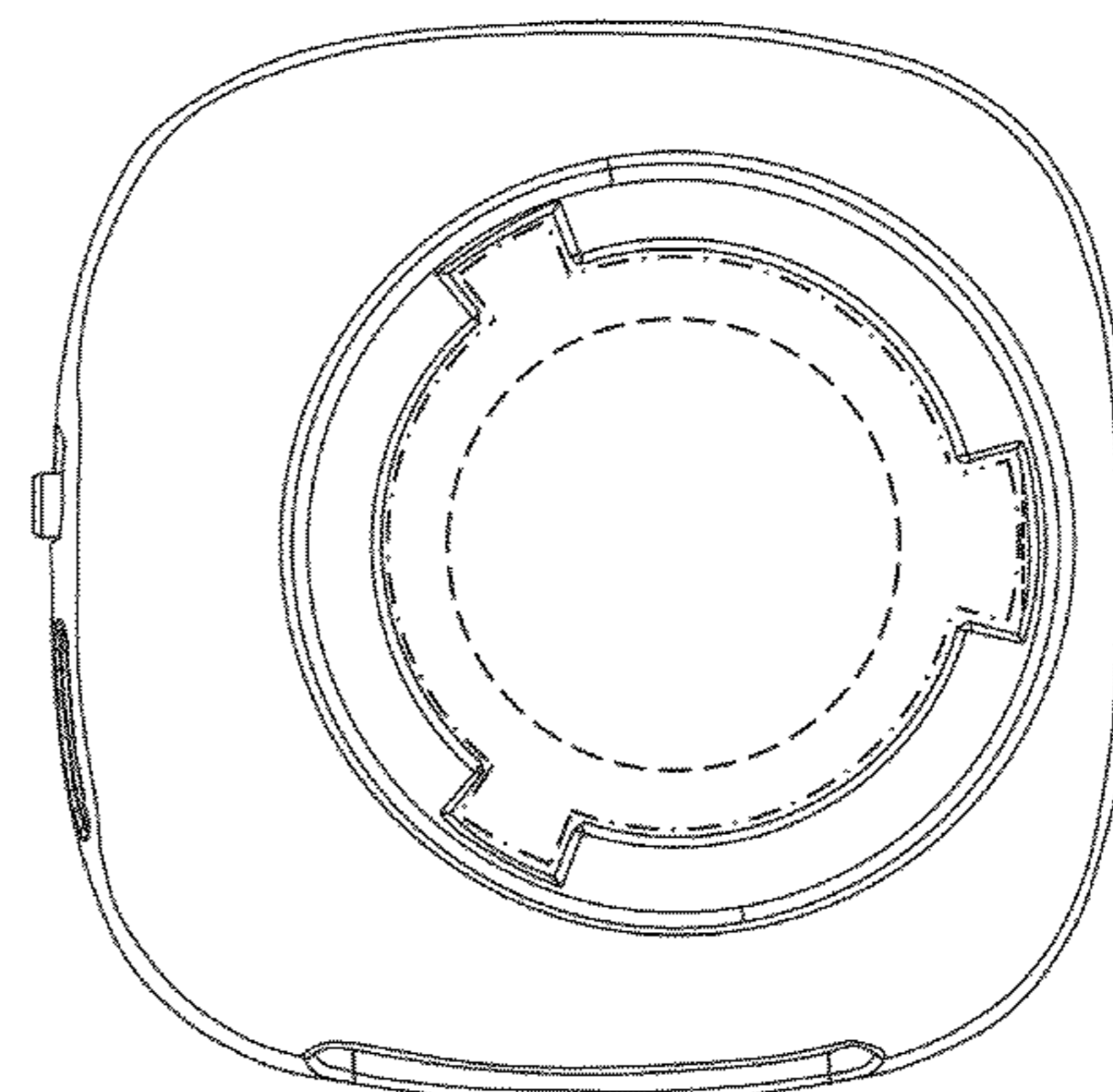
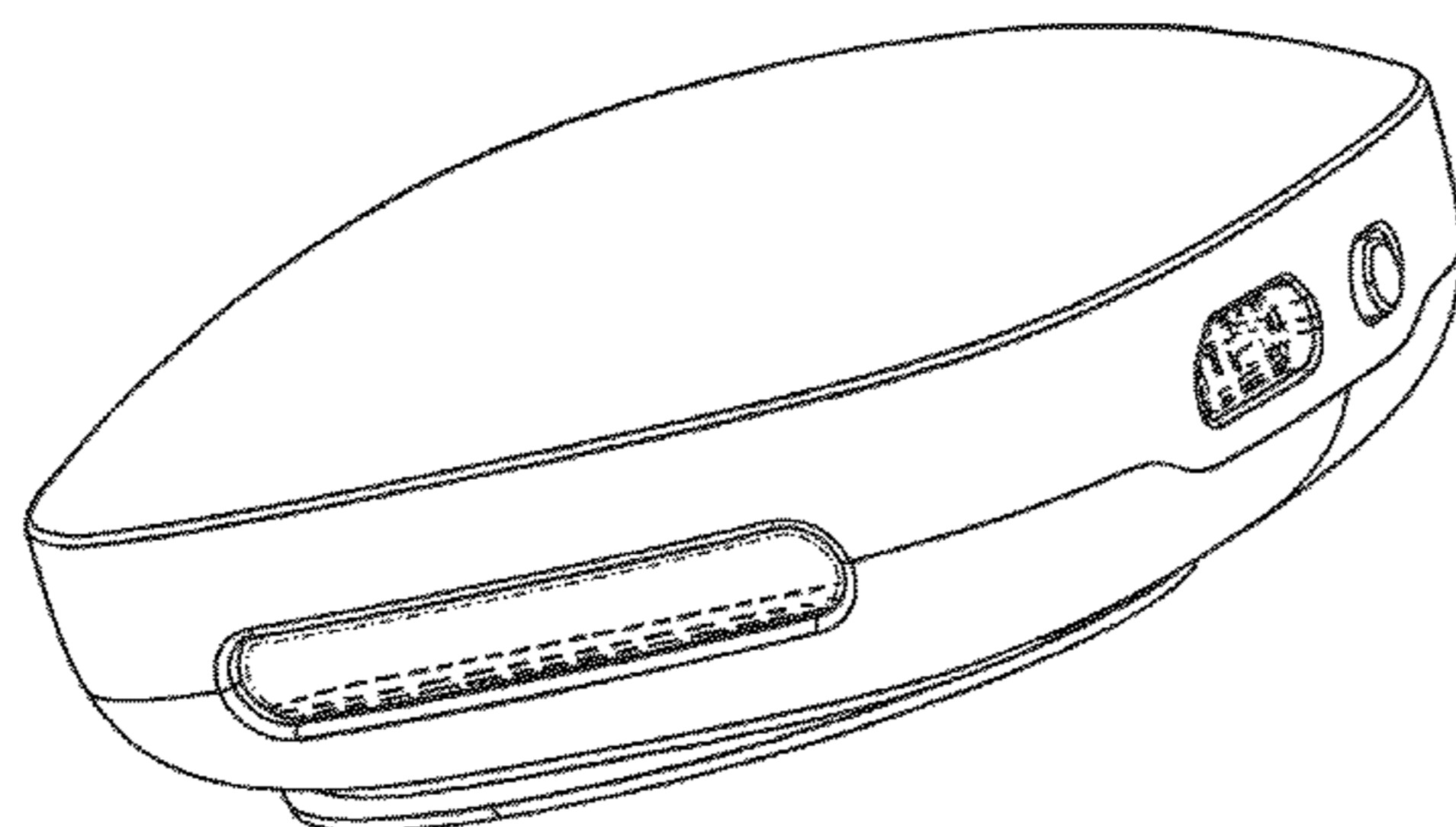
FIG. 4 is an illustration of a bottom view of the child active venting system depicted in FIG. 1 in accordance with the present design.

FIG. 5 is an illustration of a side view of the child active venting system depicted in FIG. 1 in accordance with the present design; and,

FIG. 6 is an illustration of a top view of the child active venting system depicted in FIG. 1 in accordance with the present design.

The dash-dot-dash broken lines represent the boundaries of the claim design and form no part thereof. The dash-dash broken lines illustrate portions of the child active venting system for disposable respirator which form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

7,442,237	B1 *	10/2008	Gardner	.....	A62B 18/088	128/202.22	2008/0178884	A1 *	7/2008	Gerson	.....	A62B 9/02
D676,527	S *	2/2013	Xue	.....	D23/248		2011/0139158	A1 *	6/2011	Xue	.....	A62B 18/025
8,365,771	B2 *	2/2013	Xue	.....	A62B 18/025	128/206.15	2012/0091381	A1 *	4/2012	Kern	.....	A62B 18/10
2002/0023651	A1 *	2/2002	Japuntich	.....	A41D 13/11	128/206.15	2012/0103339	A1 *	5/2012	Koehler	.....	A62B 18/025
2002/0069762	A1 *	6/2002	Estkowski	.....	A62B 23/02	96/135	2013/0319420	A1 *	12/2013	Danford	.....	A62B 18/10
2002/0195108	A1 *	12/2002	Mittelstadt	.....	A61M 16/06	128/206.15	2014/0224256	A1 *	8/2014	Skov	.....	A62B 18/02
2002/0195109	A1 *	12/2002	Mittelstadt	.....	F16K 15/16	128/206.15	2014/0345607	A1 *	11/2014	Skov	.....	A62B 7/10
2004/0261795	A1 *	12/2004	Brunell	.....	A62B 18/10	128/205.24	2015/0202473	A1 *	7/2015	Curran	.....	A62B 18/006
2006/0196157	A1 *	9/2006	Greer	.....	A62B 23/02	55/500	2015/0217144	A1 *	8/2015	Skov	.....	A62B 18/02
							2015/0217146	A1 *	8/2015	Skov	.....	A62B 23/025
												128/202.27

\* cited by examiner

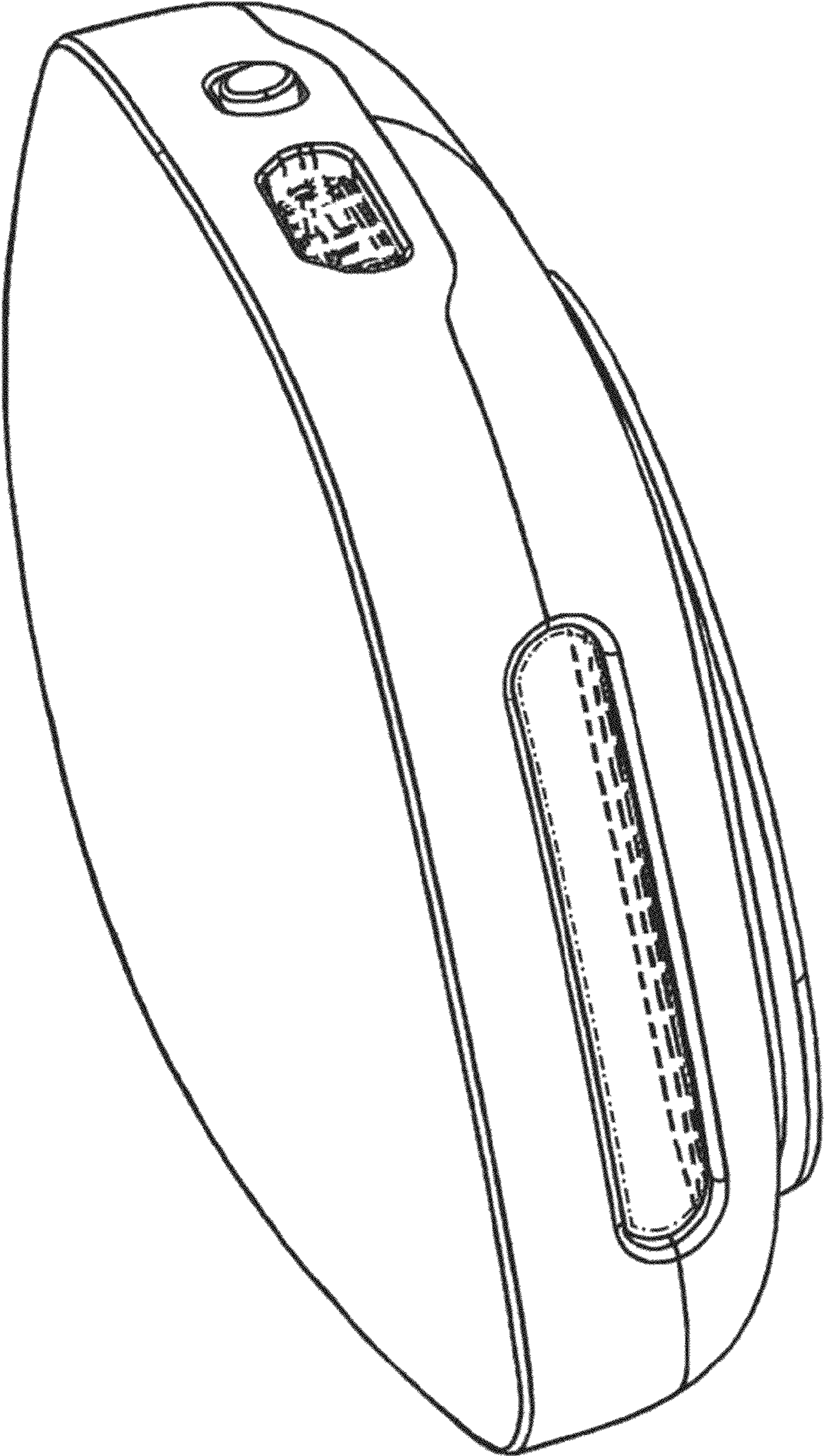


Fig. 1



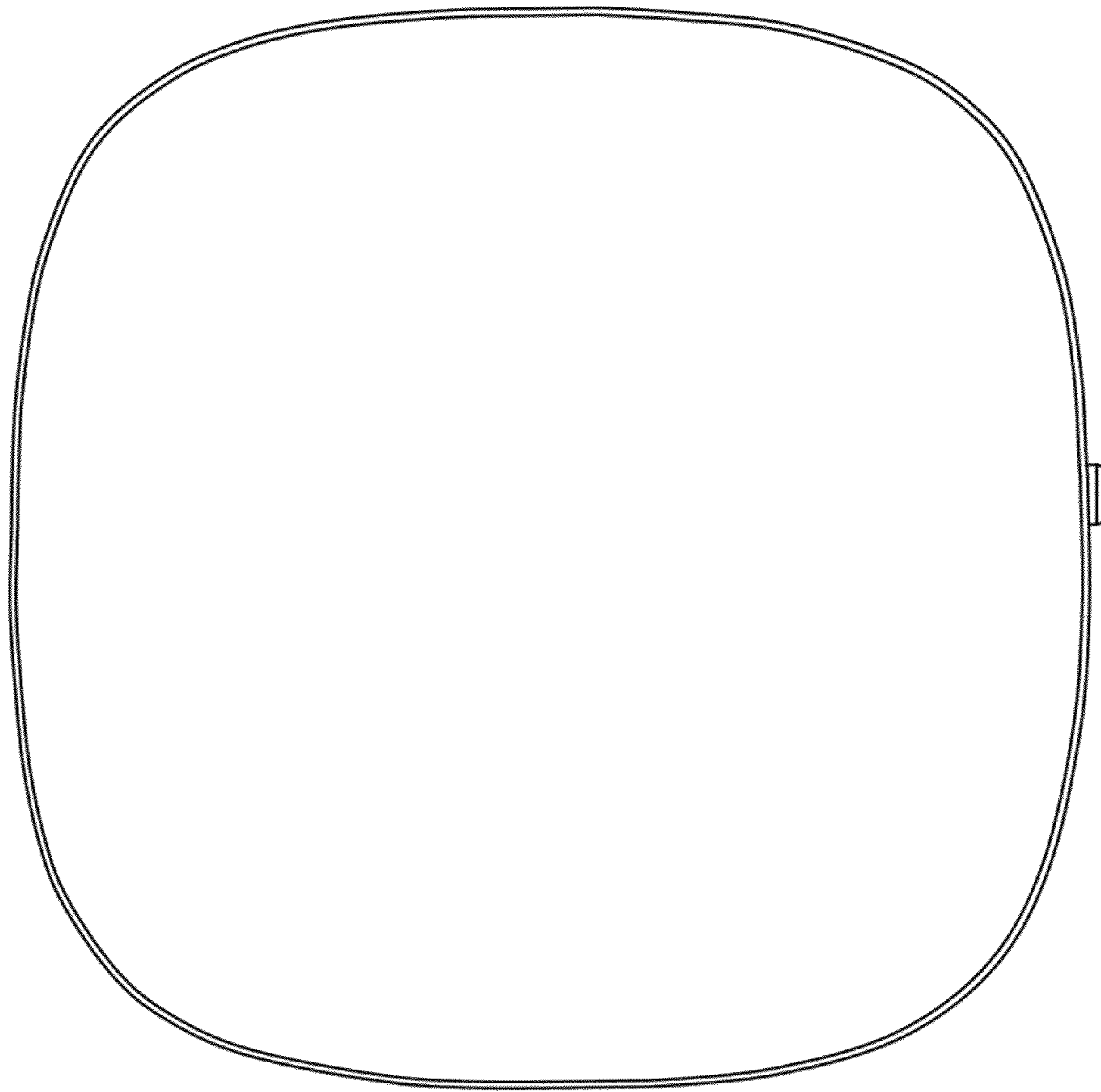


Fig. 2

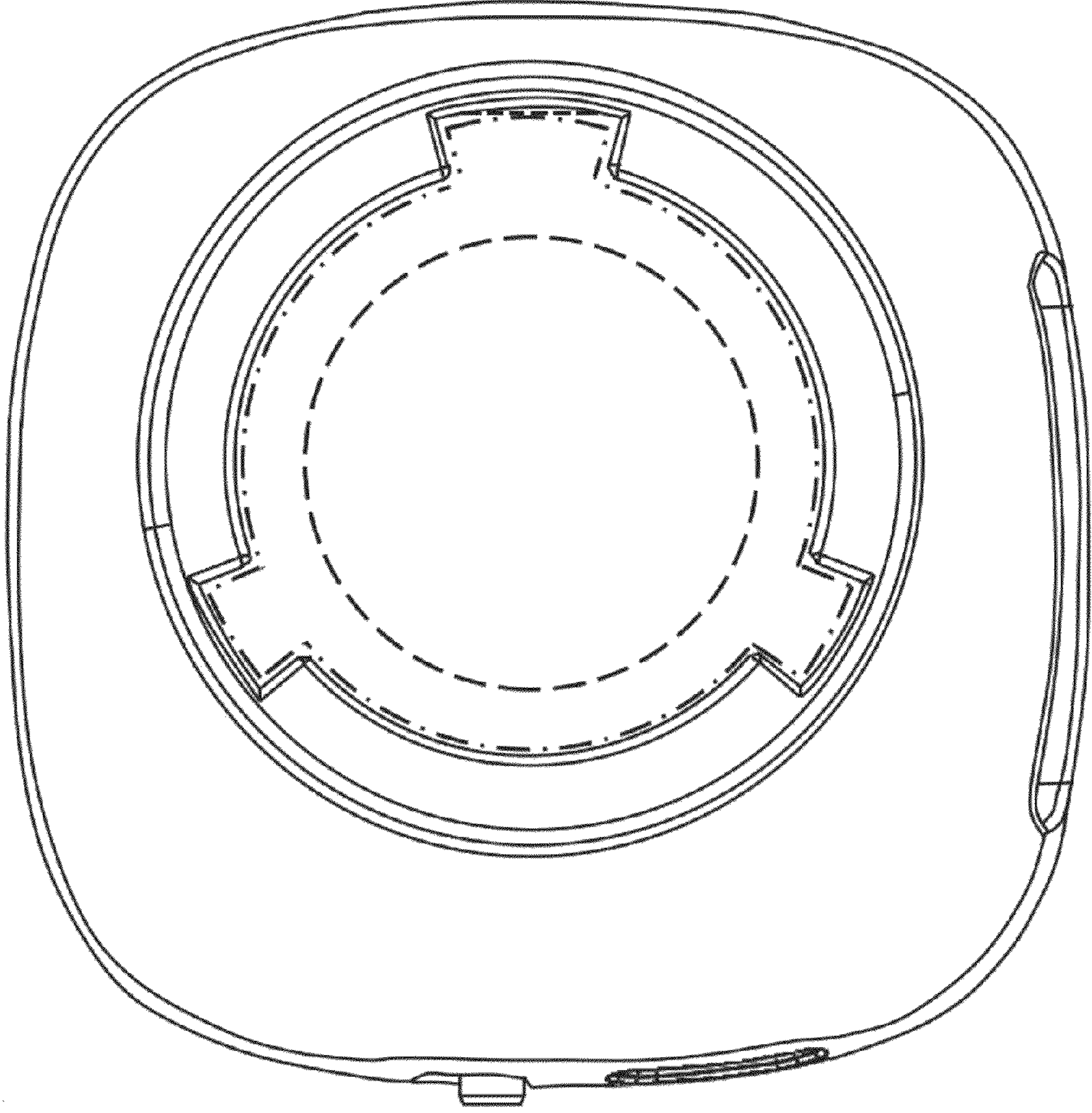


Fig. 3

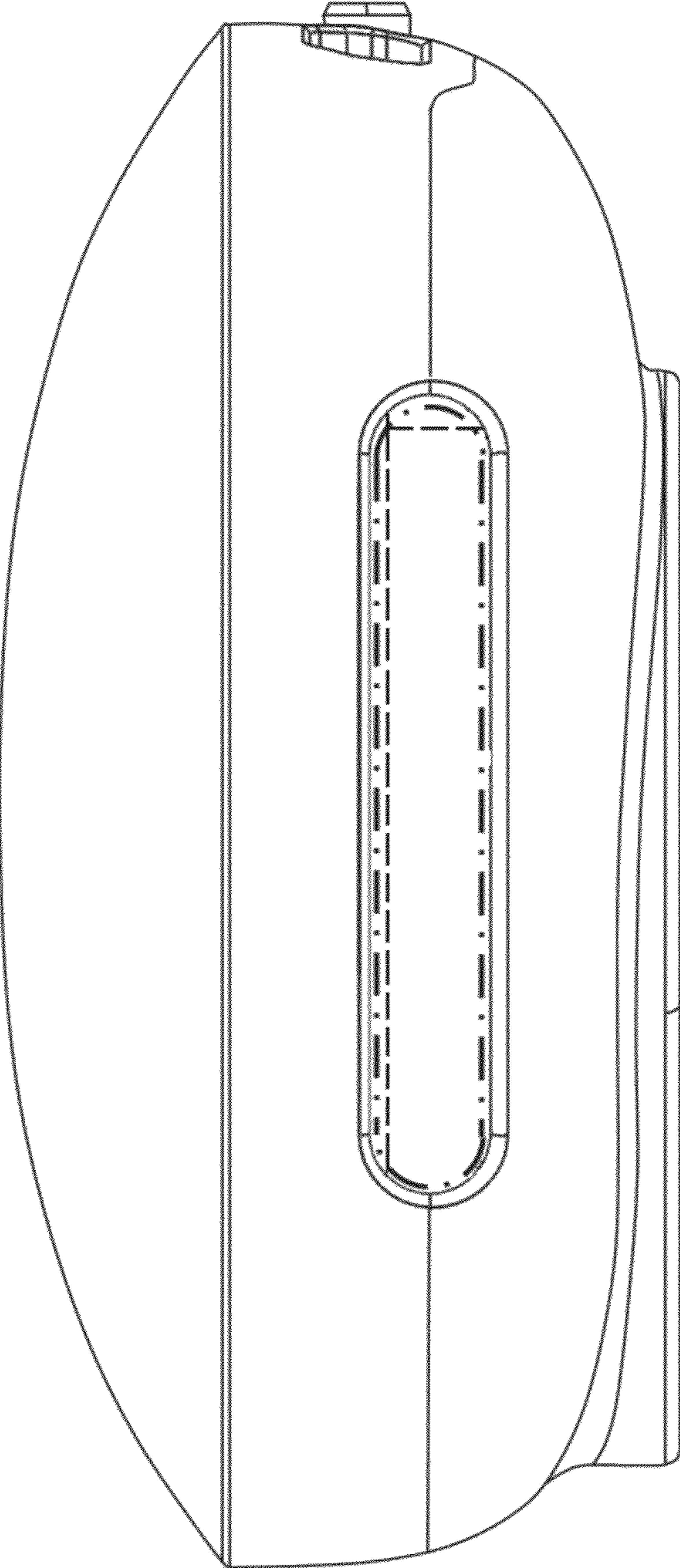


Fig. 4



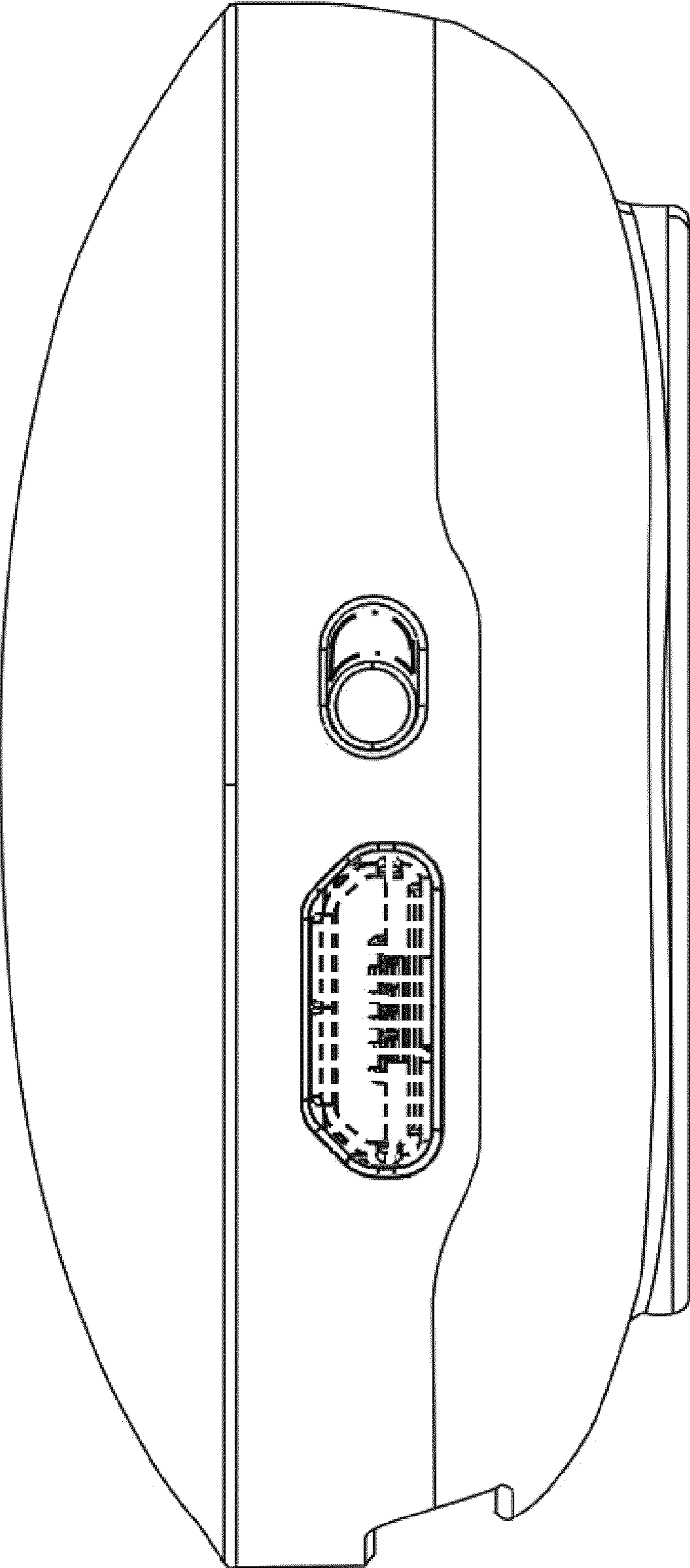


Fig. 5

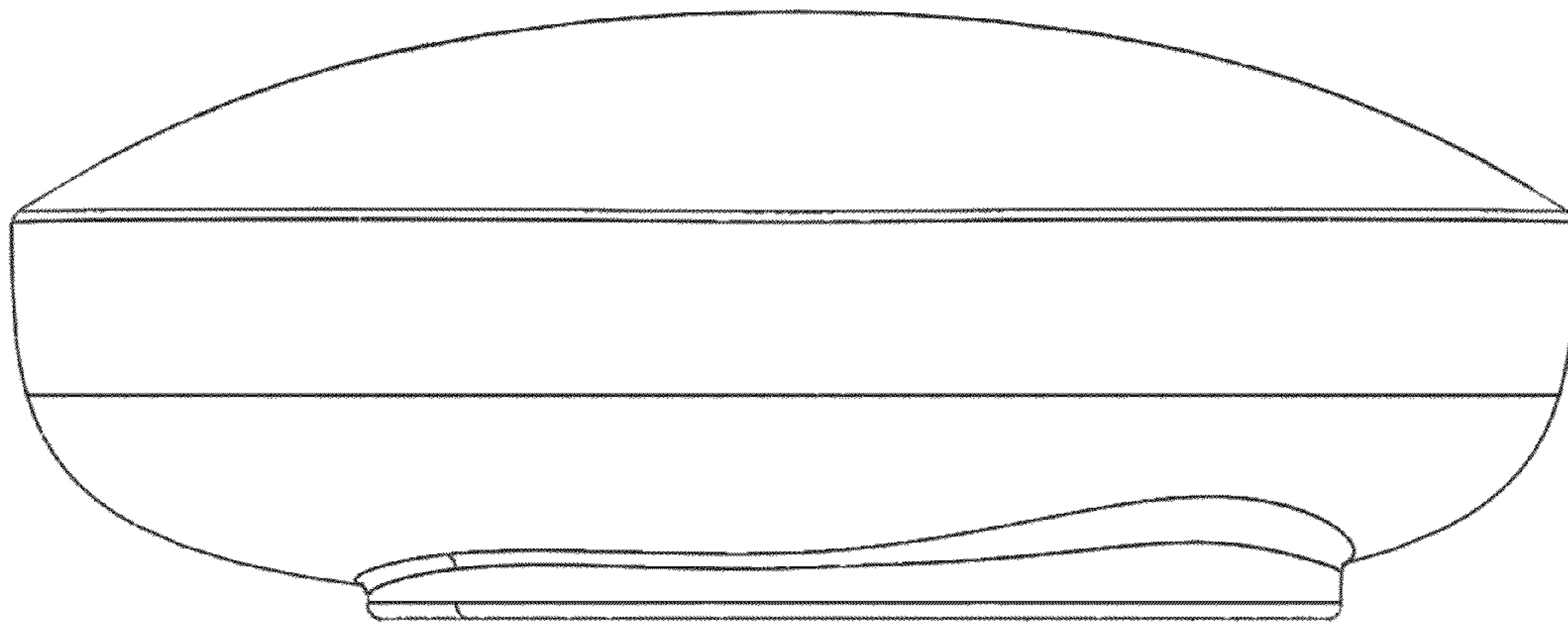


Fig. 6