



US00D859627S

(12) **United States Design Patent**  
**Ying**

(10) **Patent No.:** **US D859,627 S**

(45) **Date of Patent:** **\*\* Sep. 10, 2019**

(54) **BLADELESS FAN**

(71) Applicant: **Hui Ying**, Zhejiang (CN)

(72) Inventor: **Hui Ying**, Zhejiang (CN)

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

(21) Appl. No.: **29/640,657**

(22) Filed: **Mar. 16, 2018**

(30) **Foreign Application Priority Data**

Sep. 17, 2017 (CN) ..... 2017 3 0465025

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

(52) **U.S. Cl.**  
USPC ..... **D23/370**

(58) **Field of Classification Search**  
USPC ..... D23/314, 317, 324, 328, 332-337, 342,  
D23/351, 352, 355, 356, 359, 362, 364,  
D23/366, 370-376, 378, 379, 381-385,  
D23/411-414

CPC ..... F04D 25/08; F04D 29/403; F04D 29/522  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D276,012 S \* 10/1984 Westcott ..... D6/301  
D276,550 S \* 11/1984 Kouno ..... D23/382  
D354,558 S \* 1/1995 Marvin ..... D23/332  
D504,941 S \* 5/2005 Blateri ..... D23/335  
D545,950 S \* 7/2007 Ching ..... D23/335  
D555,776 S \* 11/2007 Chiu ..... D23/364  
D586,491 S \* 2/2009 Levine ..... D26/63

D617,930 S \* 6/2010 Chen ..... D26/60  
D617,931 S \* 6/2010 Chen ..... D26/60  
D688,781 S \* 8/2013 Vallinan ..... D23/355  
D803,382 S \* 11/2017 Kim ..... D23/378  
D807,483 S \* 1/2018 Combs ..... D23/364  
D817,473 S \* 5/2018 Liu ..... D23/382  
2004/0025697 A1 \* 2/2004 Endo ..... B01D 46/0023  
96/222

**OTHER PUBLICATIONS**

Opolar Bladeless Fan, date posted unknown, amazon.com, site visited Mar. 28, 2019, Copyright @ 1996-2019, Available from Internet, <[https://www.amazon.com/OPOLAR-Bladeless-Circulator-Horizontal-Oscillating/dp/B07D5VZ6QV/ref=cm\\_cr\\_arp\\_d\\_product\\_top?ie=UTF8](https://www.amazon.com/OPOLAR-Bladeless-Circulator-Horizontal-Oscillating/dp/B07D5VZ6QV/ref=cm_cr_arp_d_product_top?ie=UTF8)>.\*

\* cited by examiner

*Primary Examiner* — Karen E Kearney  
*Assistant Examiner* — Sharon S Oum

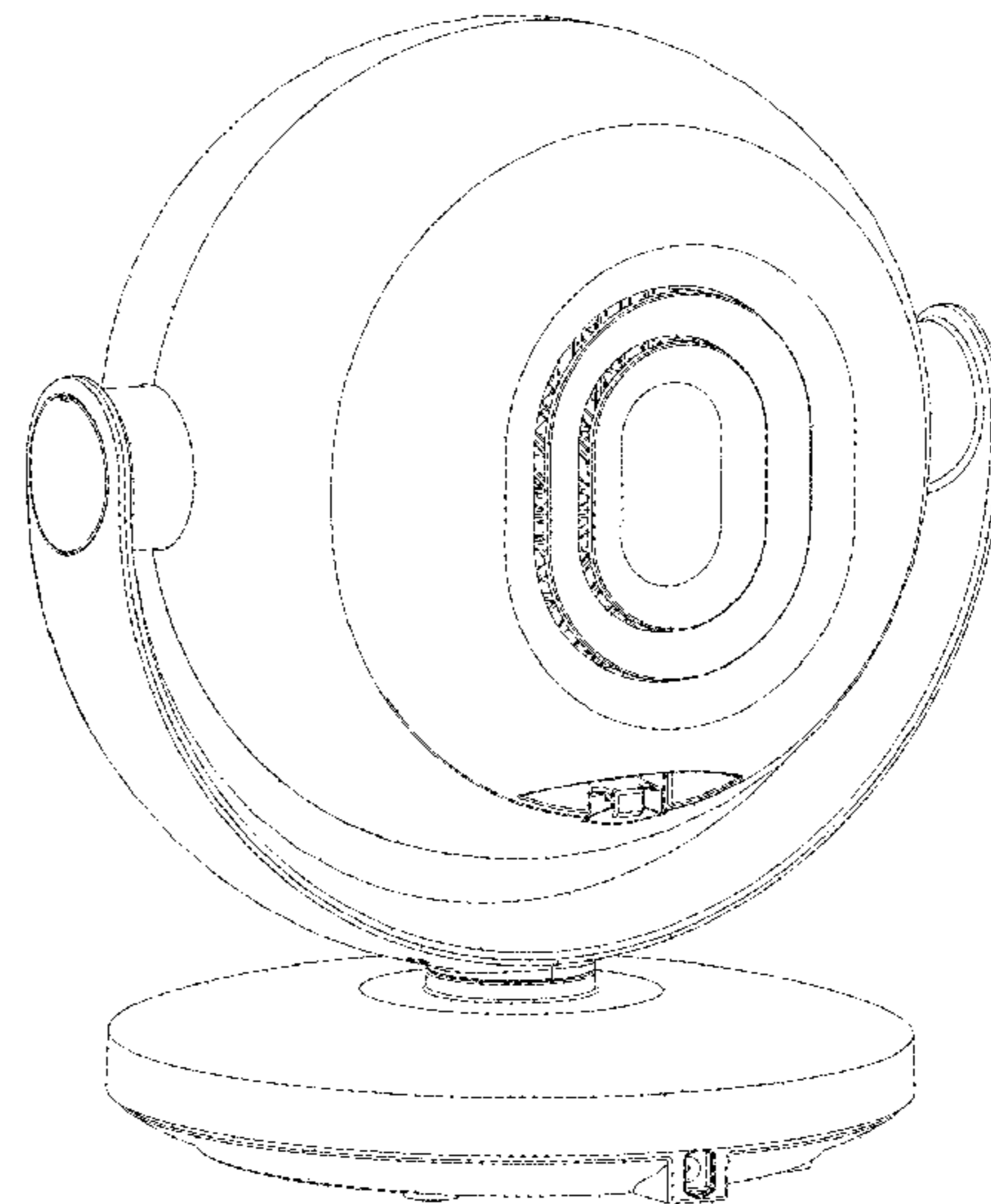
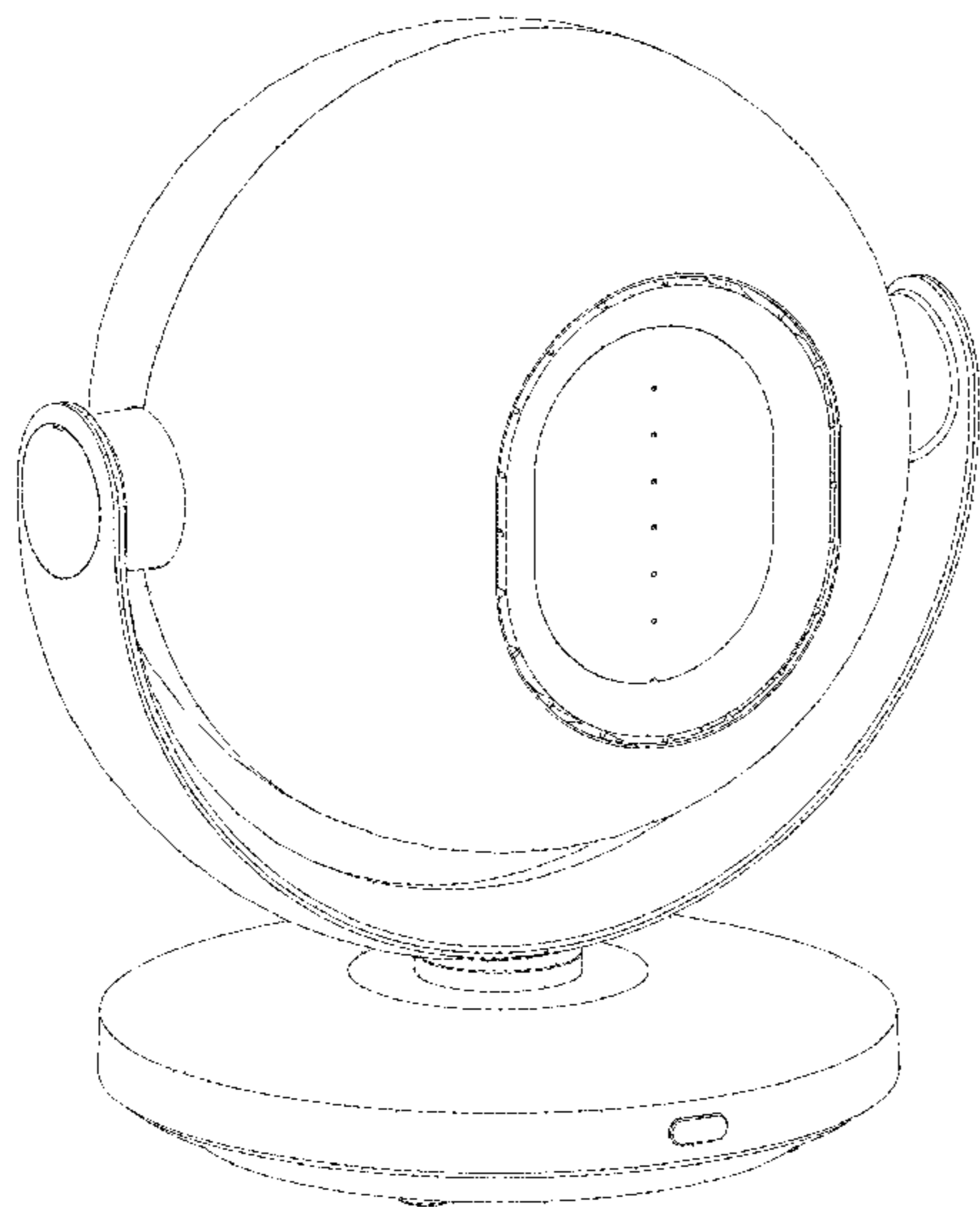
(57) **CLAIM**

The ornamental design for a bladeless fan, as shown.

**DESCRIPTION**

FIG. 1 is a front elevational view of a bladeless fan showing my 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;  
FIG. 7 is a perspective view thereof; and,  
FIG. 8 is another perspective view thereof.

**1 Claim, 8 Drawing Sheets**



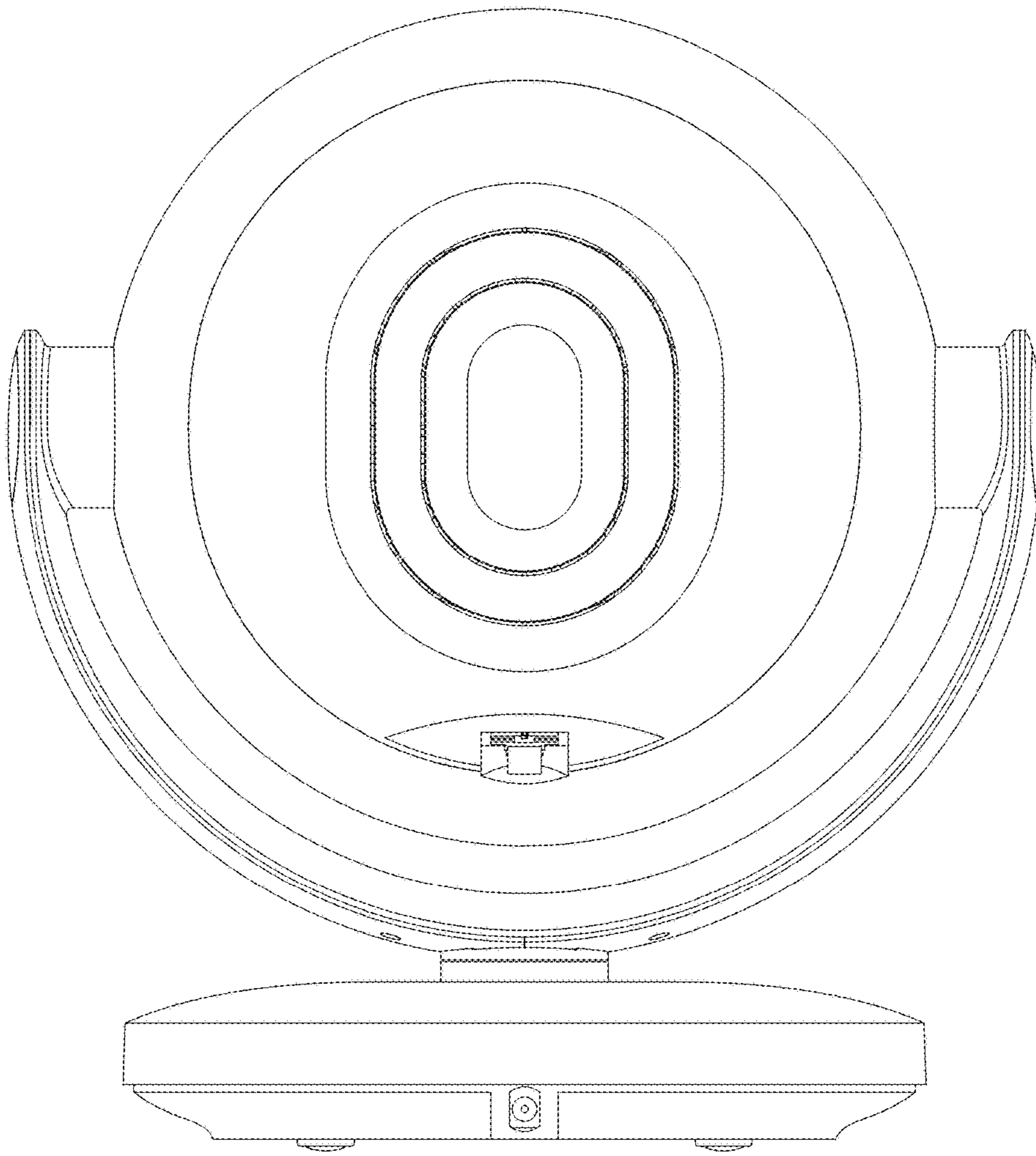


Fig. 1

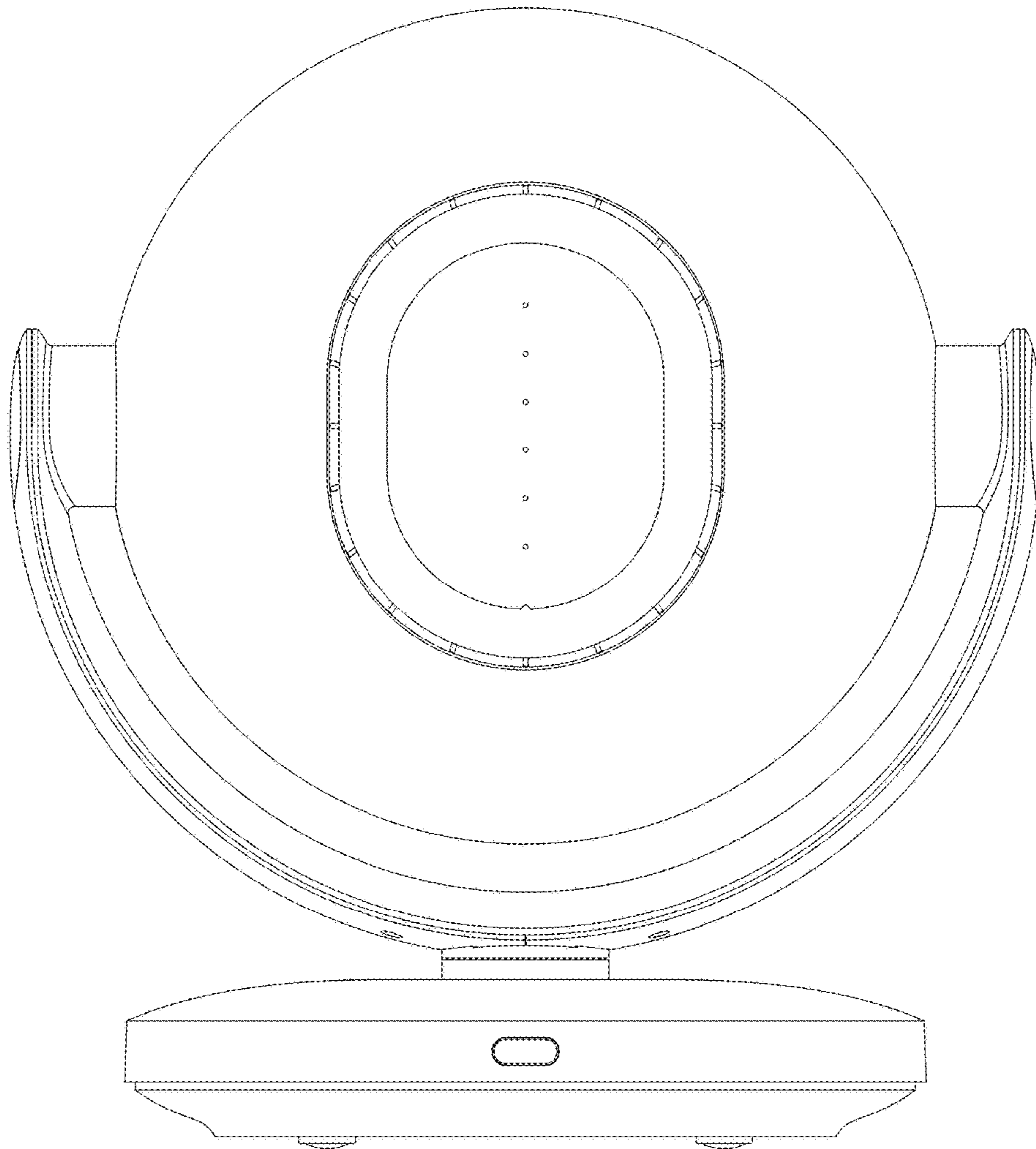


Fig. 2

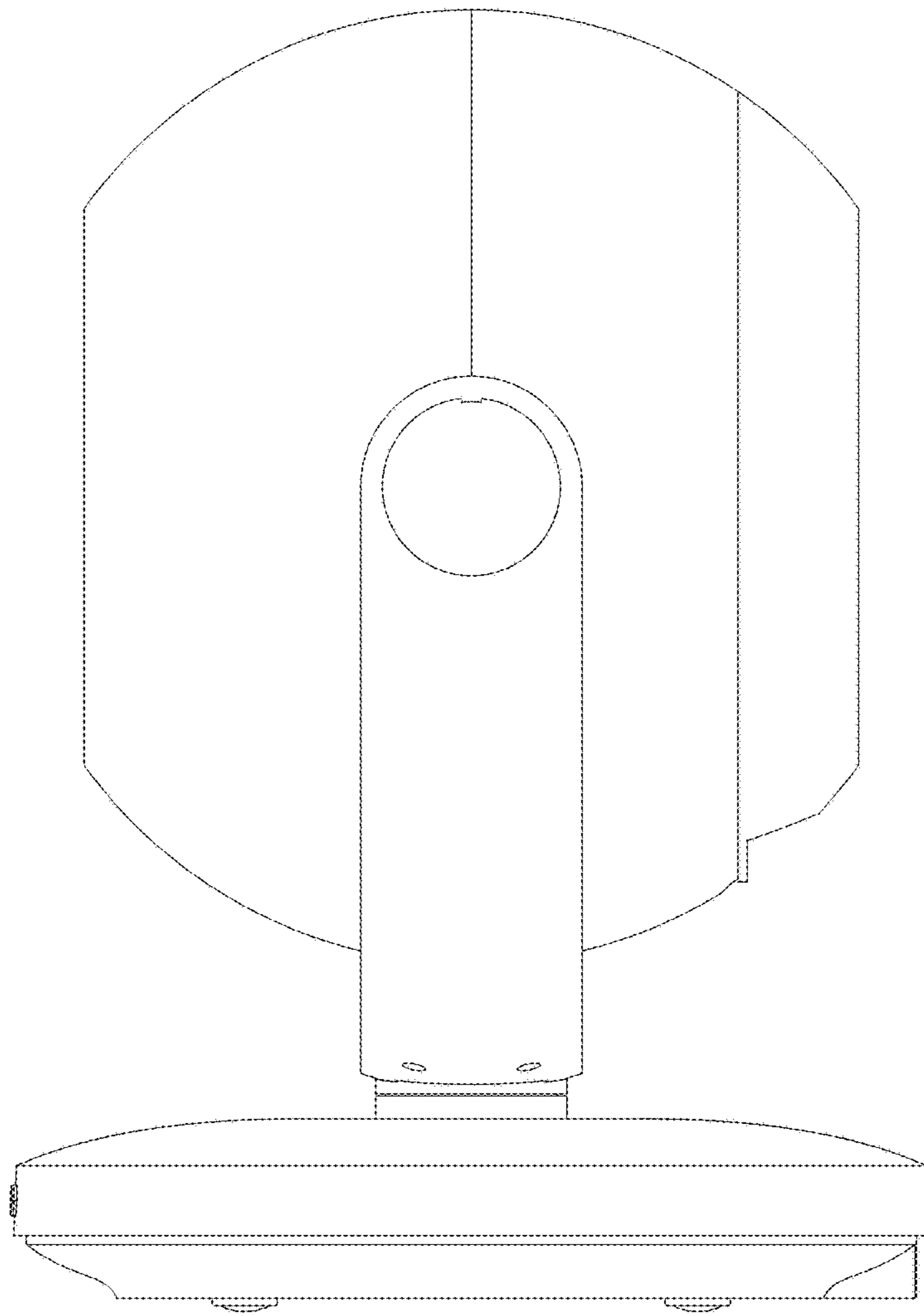


Fig. 3

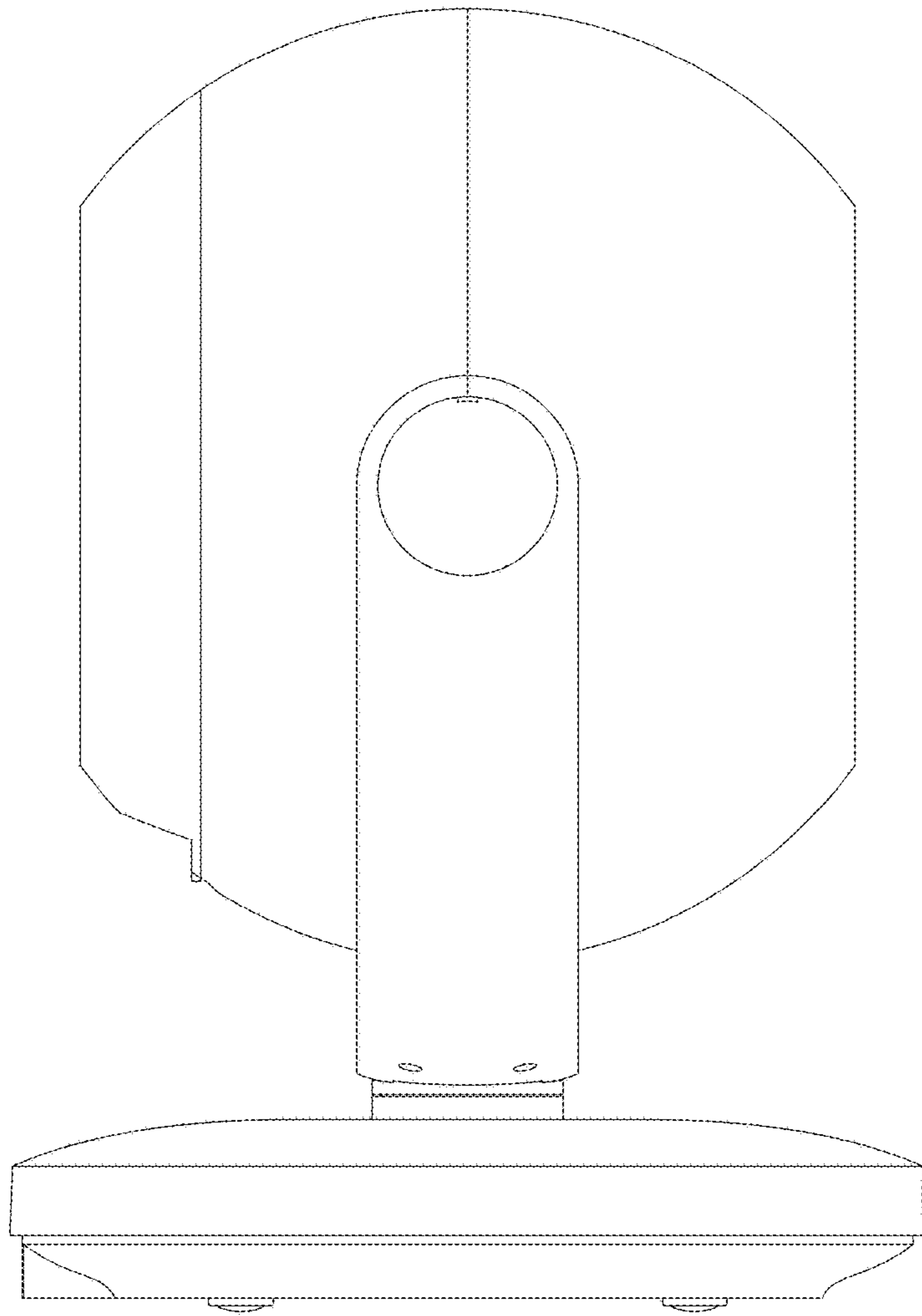


Fig. 4

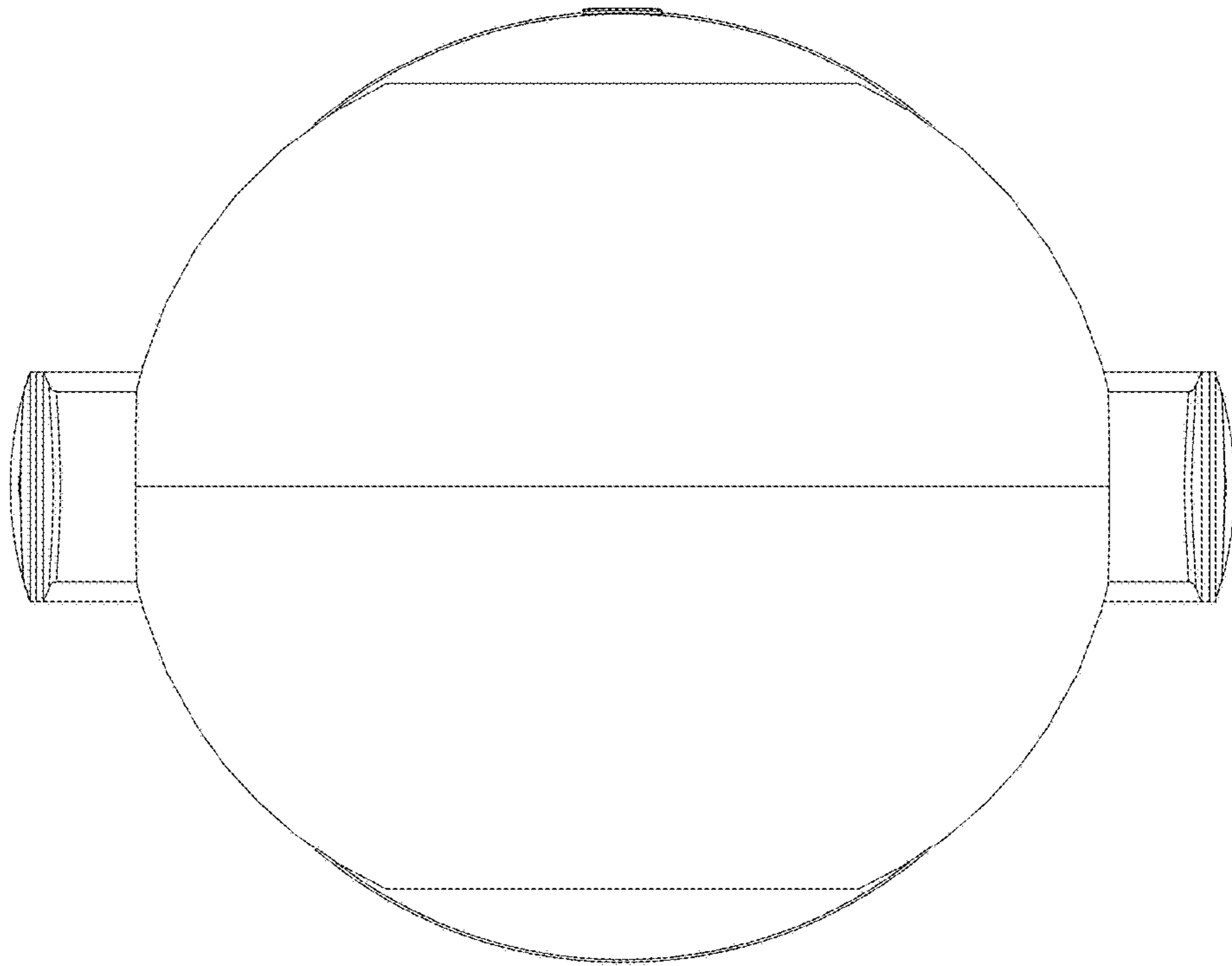


Fig. 5

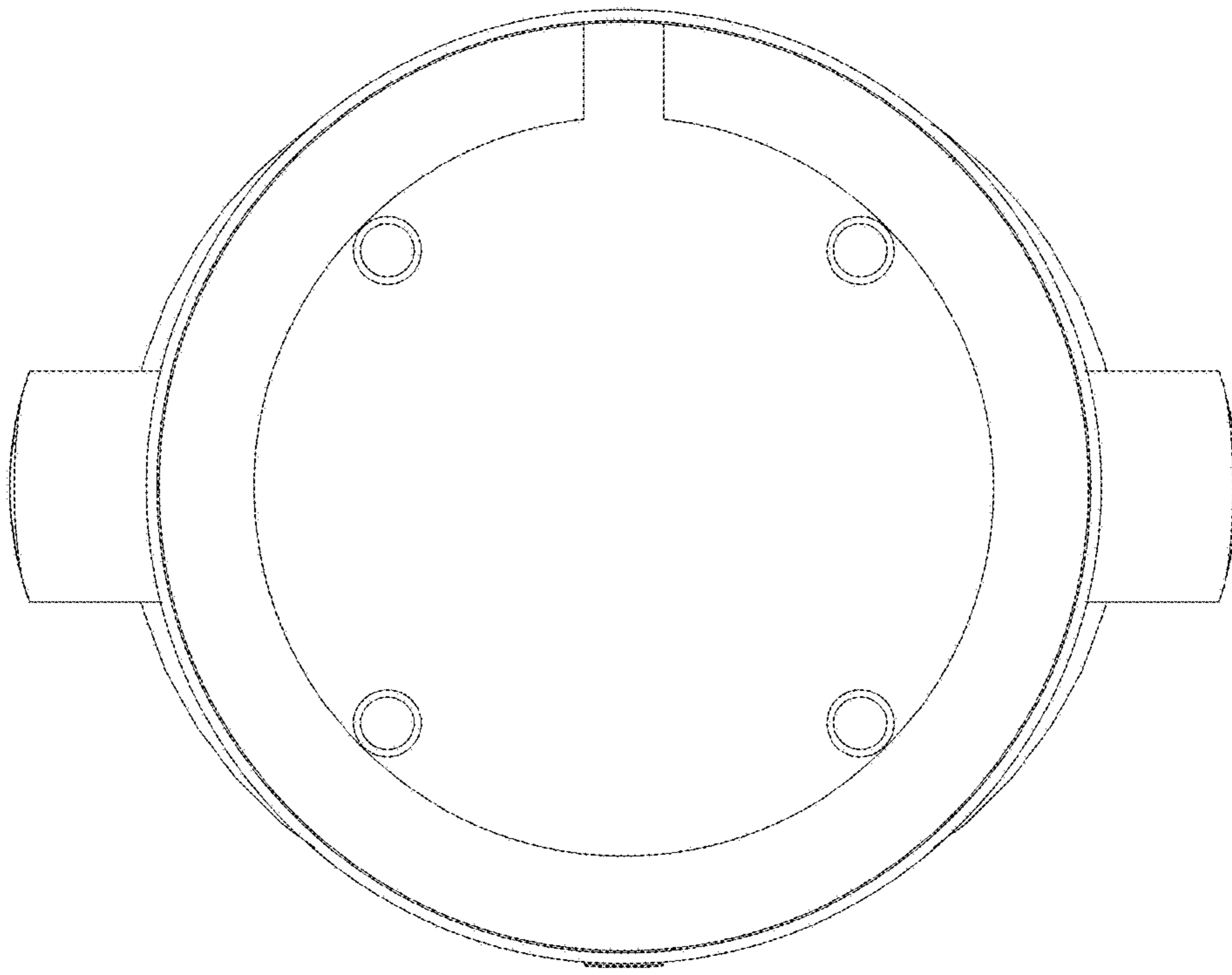


Fig. 6

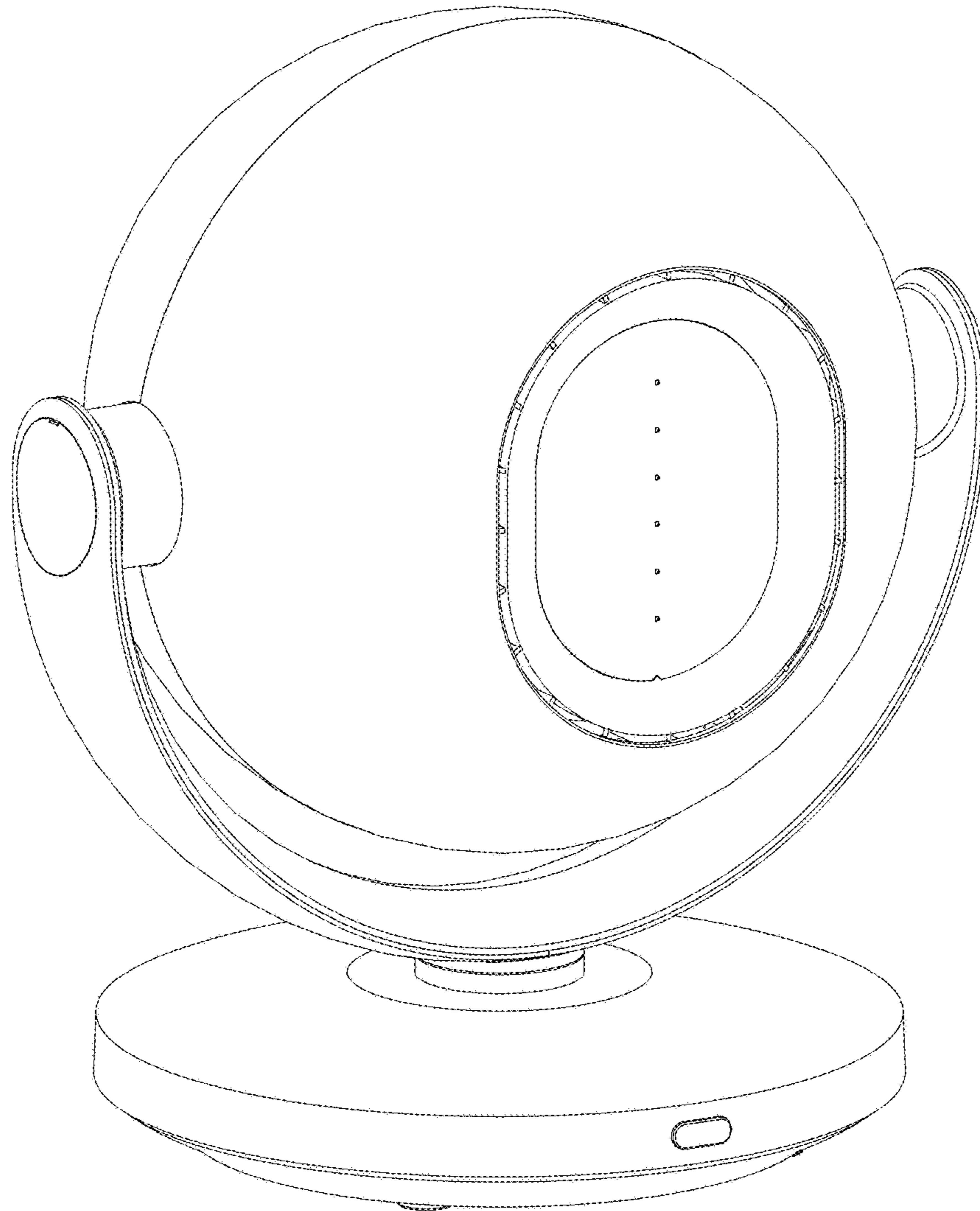


Fig. 7



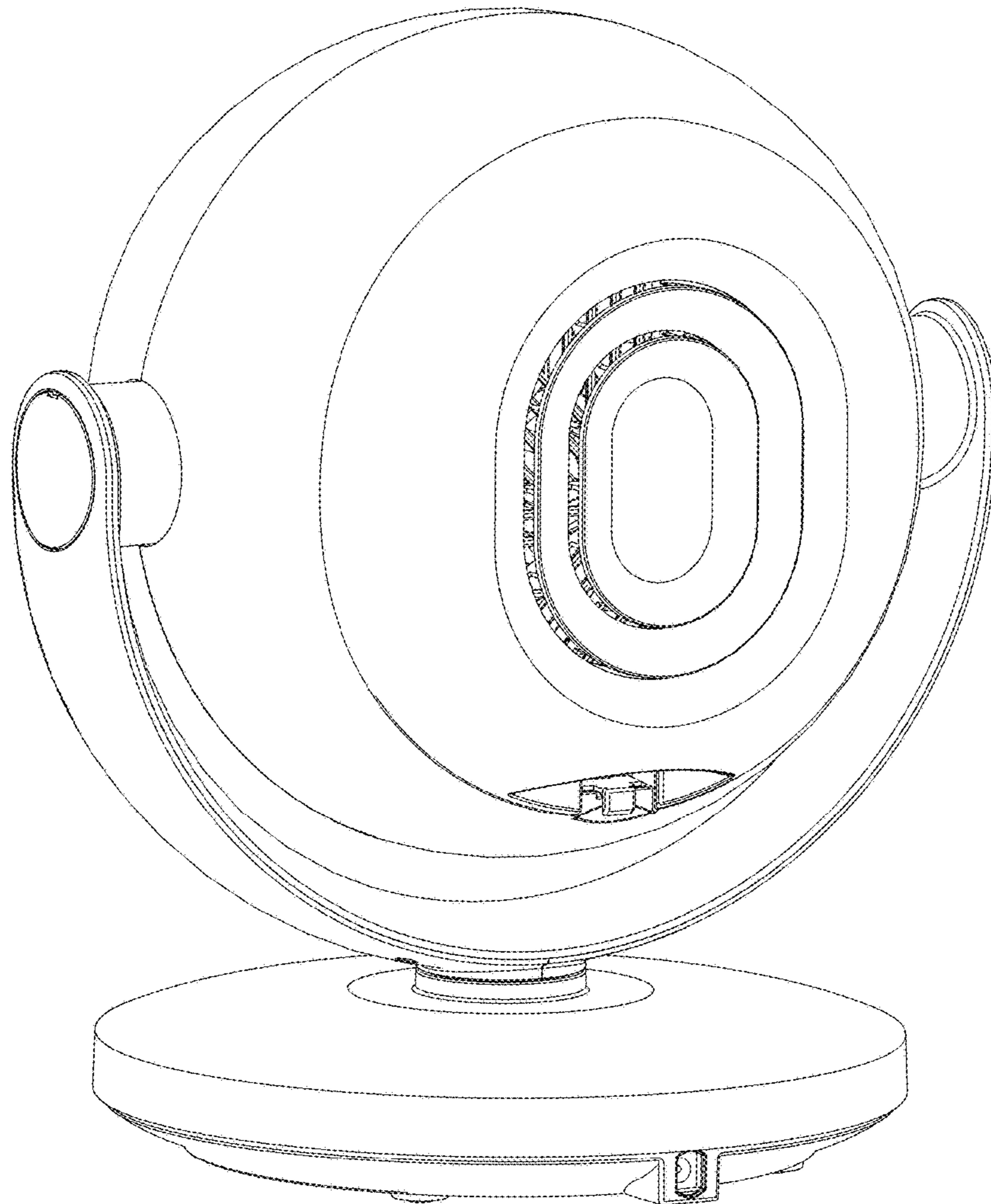


Fig. 8