



US00D705750S

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

(10) **Patent No.:** **US D705,750 S**

(45) **Date of Patent:** **\*\* May 27, 2014**

(54) **EARPHONE**

(71) Applicant: **Shenzhen Grandsun Electronic Co., Ltd.**, Guangdong (CN)

(72) Inventors: **Charles Wu**, Guangdong (CN); **Steven Shi**, Guangdong (CN); **Wenlong Zheng**, Guangdong (CN); **Wenyang Yang**, Guangdong (CN); **Wanquan Zhou**, Guangdong (CN); **Bo Xiang**, Guangdong (CN)

(73) Assignee: **Shenzhen Grandsun Electronics Co., Ltd.**, Shenzhen, Guangdong (CN)

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

(21) Appl. No.: **29/454,400**

(22) Filed: **May 9, 2013**

(30) **Foreign Application Priority Data**

Mar. 1, 2013 (CN) ..... 2013 3 0050369

(51) **LOC (10) Cl.** ..... **14-01**

(52) **U.S. Cl.**

CPC ..... **H04R 1/1066** (2013.01)

USPC ..... **D14/205**

(58) **Field of Classification Search**

CPC ..... H04R 1/1066

USPC ..... D14/205, 372; D29/112; 2/209;

181/129, 130, 135; 381/380, 381, 379,

381/374, 383; 455/90.3, 575.1

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D328,074 S \* 7/1992 Yamazaki et al. .... D14/205

D345,162 S \* 3/1994 Yamatogi ..... D14/205

|                |         |                      |         |
|----------------|---------|----------------------|---------|
| D358,388 S *   | 5/1995  | Nakamura et al. .... | D14/205 |
| D386,181 S *   | 11/1997 | Fisher .....         | D14/205 |
| D430,140 S *   | 8/2000  | Roman .....          | D14/205 |
| 6,295,366 B1 * | 9/2001  | Haller et al. ....   | 381/374 |
| D484,485 S *   | 12/2003 | Matsuoka .....       | D14/205 |
| D534,155 S *   | 12/2006 | Obata .....          | D14/205 |
| D538,261 S *   | 3/2007  | Taylor et al. ....   | D14/205 |
| D540,301 S *   | 4/2007  | Obata .....          | D14/205 |
| D563,382 S *   | 3/2008  | Wikel .....          | D14/205 |
| D583,800 S *   | 12/2008 | Jaakkola et al. .... | D14/205 |
| D628,554 S *   | 12/2010 | Tedja et al. ....    | D14/205 |
| D637,176 S *   | 5/2011  | Brunner et al. ....  | D14/205 |
| D657,344 S *   | 4/2012  | Brunner et al. ....  | D14/205 |
| D663,716 S *   | 7/2012  | Hardi et al. ....    | D14/205 |
| D666,991 S *   | 9/2012  | Lee et al. ....      | D14/205 |
| D673,518 S *   | 1/2013  | Tan .....            | D14/205 |
| D673,520 S *   | 1/2013  | Tan .....            | D14/205 |
| D677,648 S *   | 3/2013  | Lee et al. ....      | D14/206 |
| D683,329 S *   | 5/2013  | Hagelin .....        | D14/205 |
| D691,984 S *   | 10/2013 | Wang .....           | D14/205 |
| D693,791 S *   | 11/2013 | Troy .....           | D14/205 |

\* cited by examiner

*Primary Examiner* — Paula Greene

(74) *Attorney, Agent, or Firm* — Rankin, Hill & Clark LLP

(57) **CLAIM**

The ornamental design for an “earphone,” as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of the earphone; FIG. 2 is a front view of the earphone; FIG. 3 is a rear view of the earphone; FIG. 4 is a left side view of the earphone; FIG. 5 is a right side view of the earphone; FIG. 6 is a top view of the earphone; and, FIG. 7 is a bottom view of the earphone.

**1 Claim, 7 Drawing Sheets**

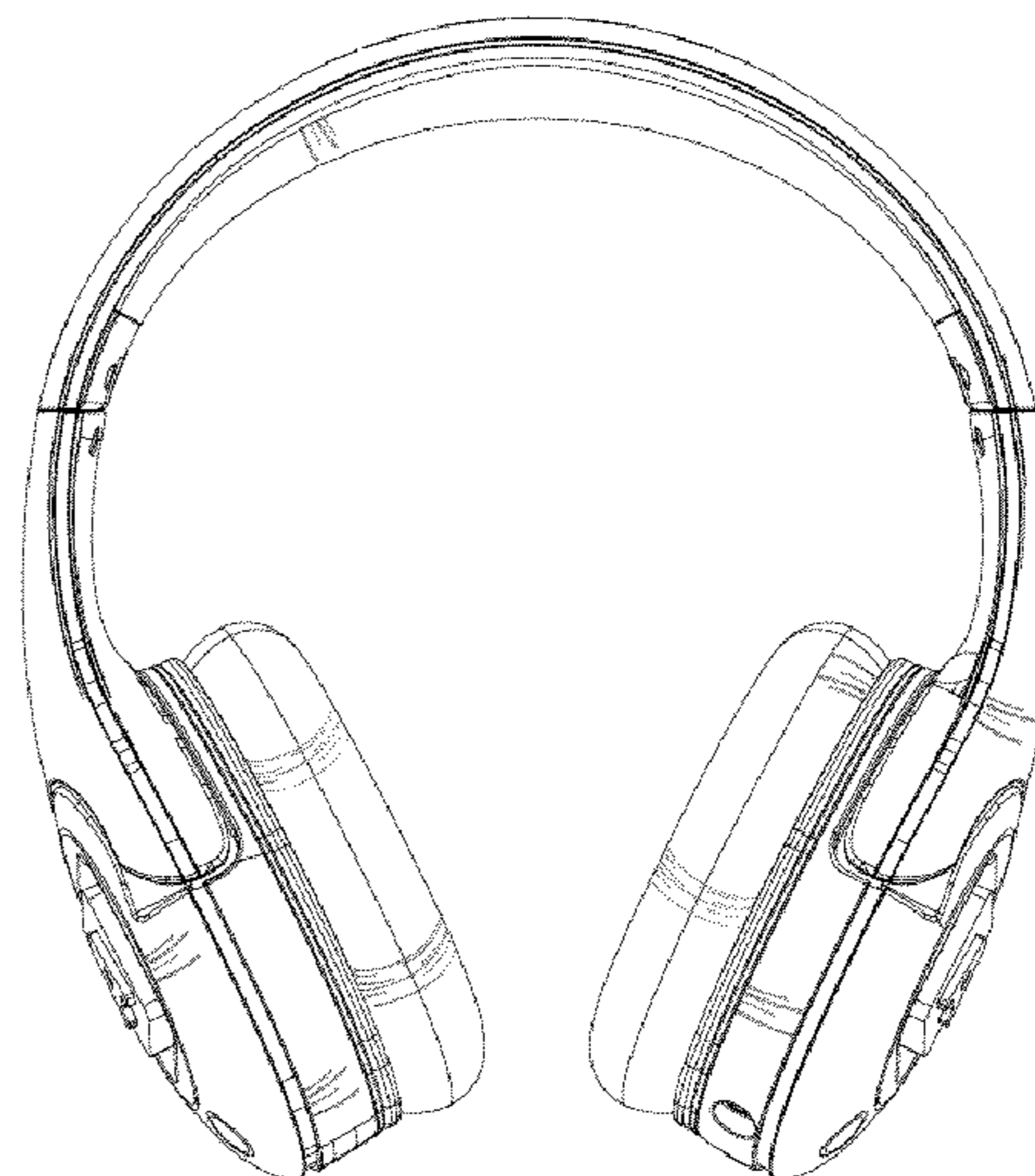




Fig. 1

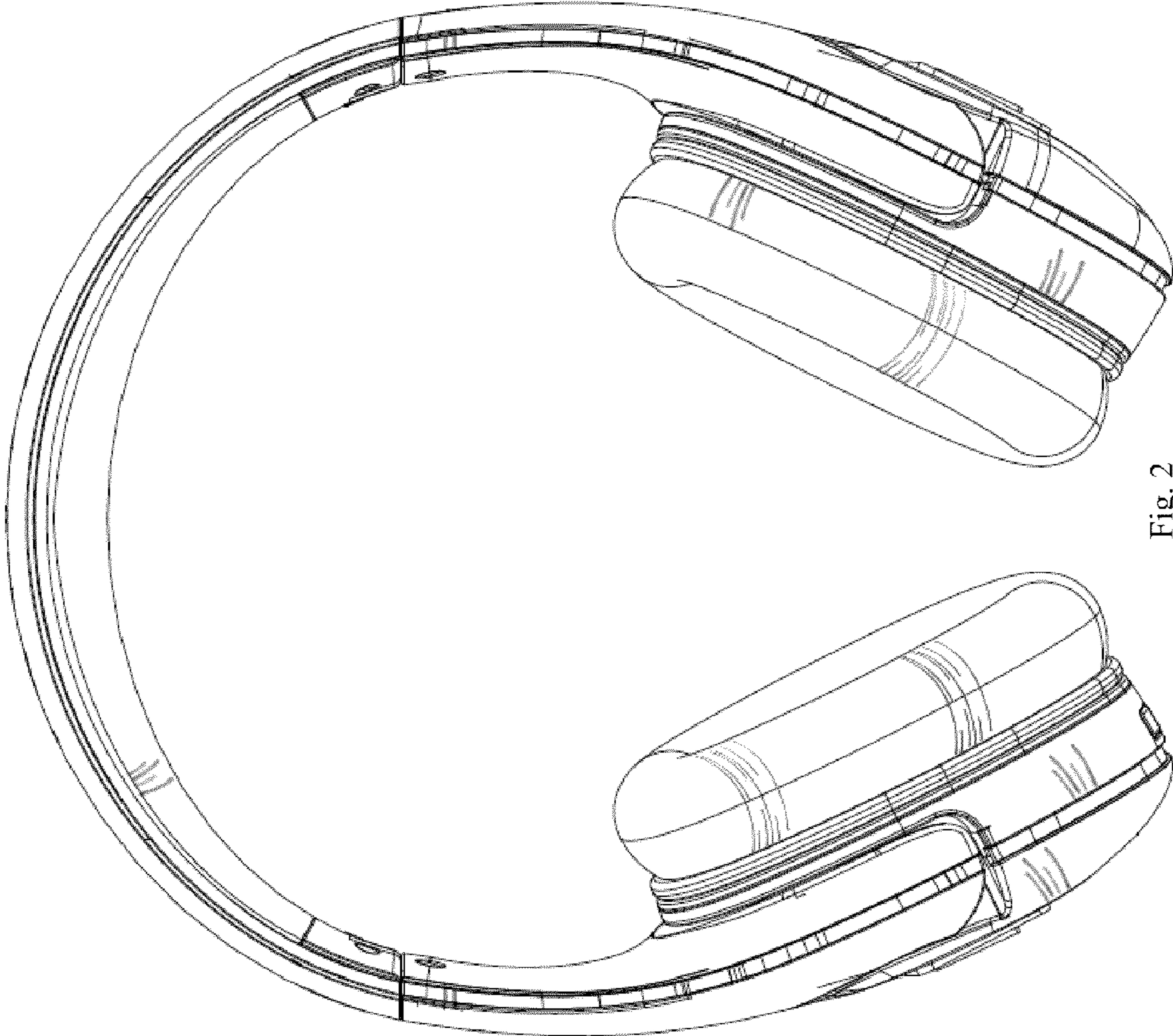


Fig. 2

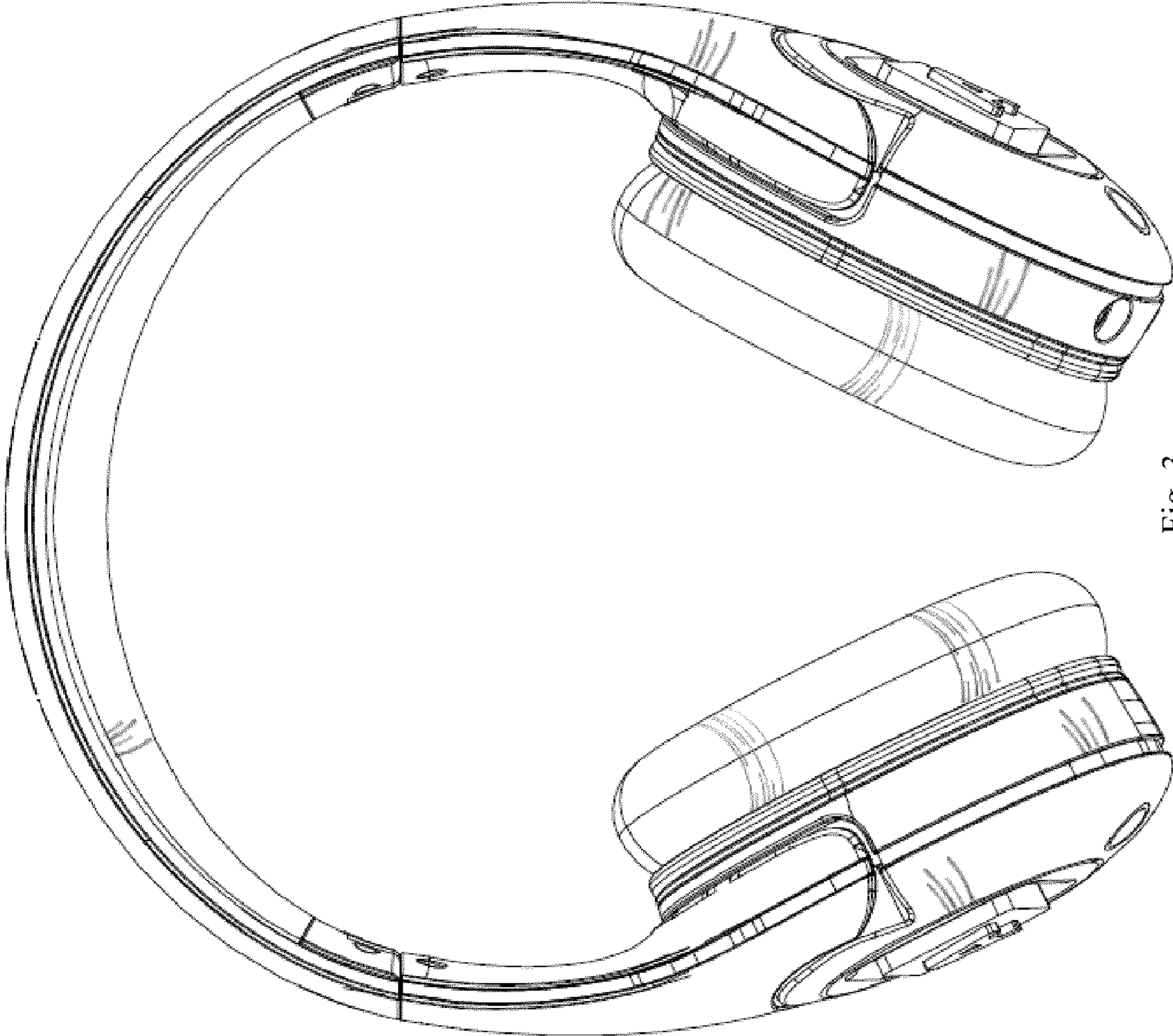


Fig. 3



Fig. 4

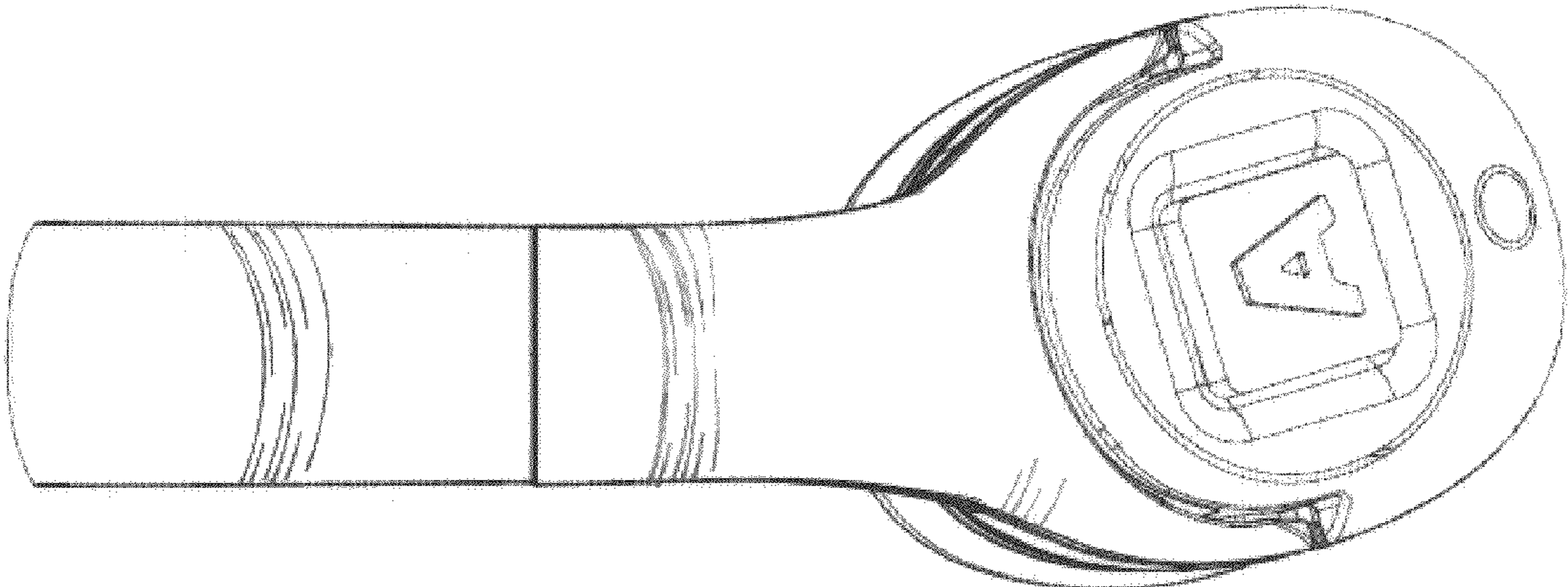


Fig. 5

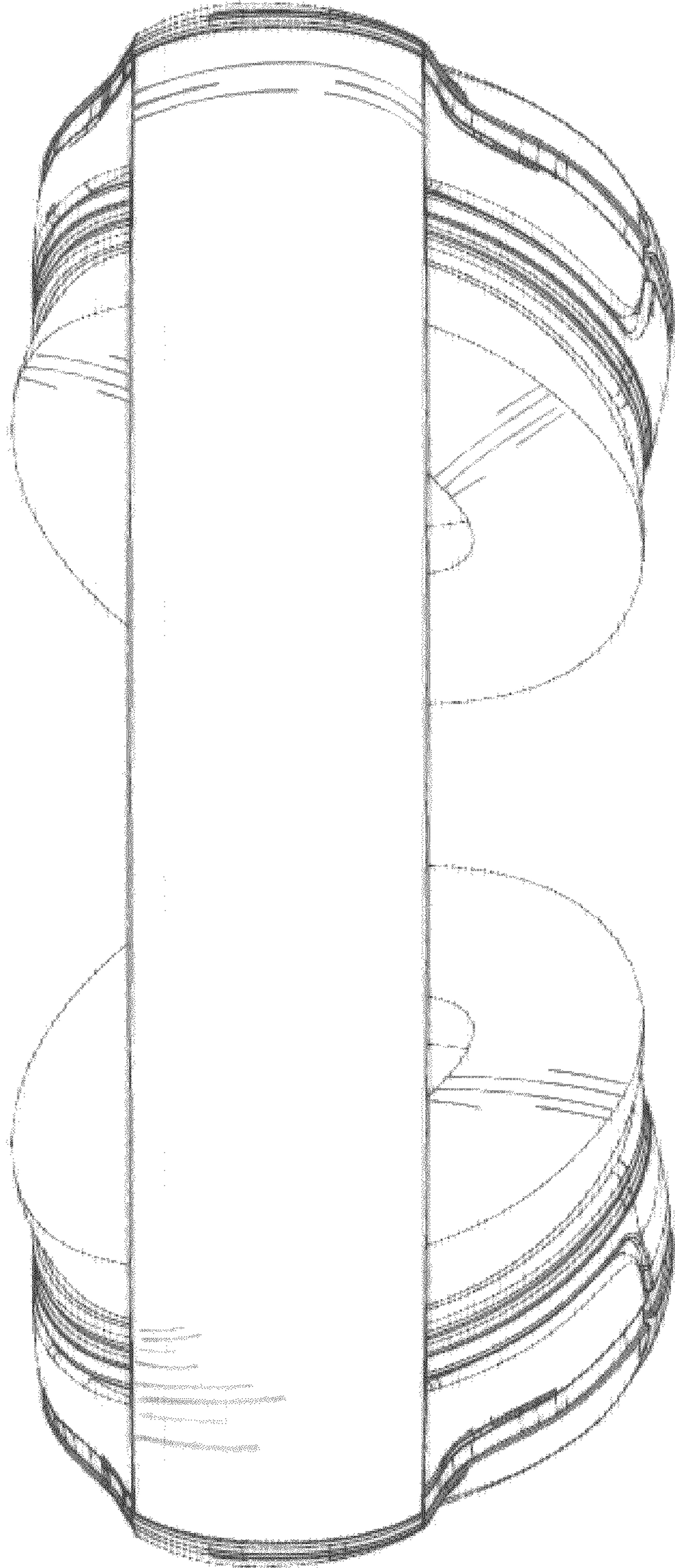


Fig. 6

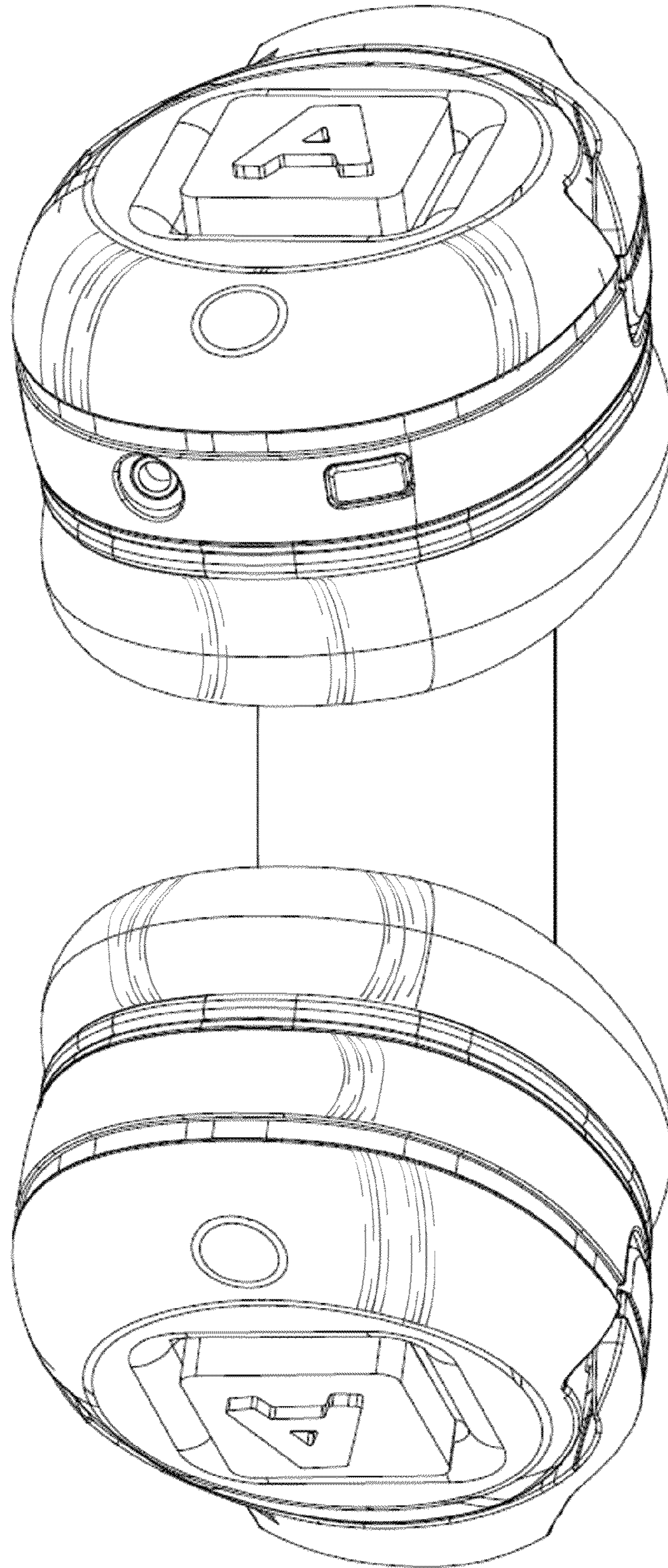


Fig. 7



UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : D705,750 S  
APPLICATION NO. : 29/454400  
DATED : May 27, 2014  
INVENTOR(S) : Charles Wu et al.

Page 1 of 1

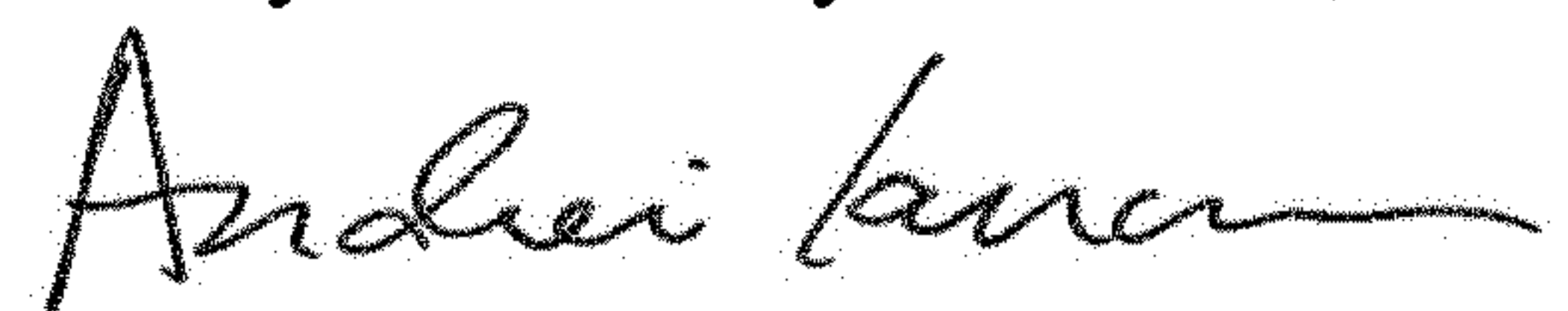
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

Item (73) Assignee

Change "Shenzhen Grandsun Electronics Co., Ltd." to --Shenzhen Grandsun Electronic Co., Ltd.--

Signed and Sealed this  
Twenty-fourth Day of March, 2020



Andrei Iancu  
*Director of the United States Patent and Trademark Office*