



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**

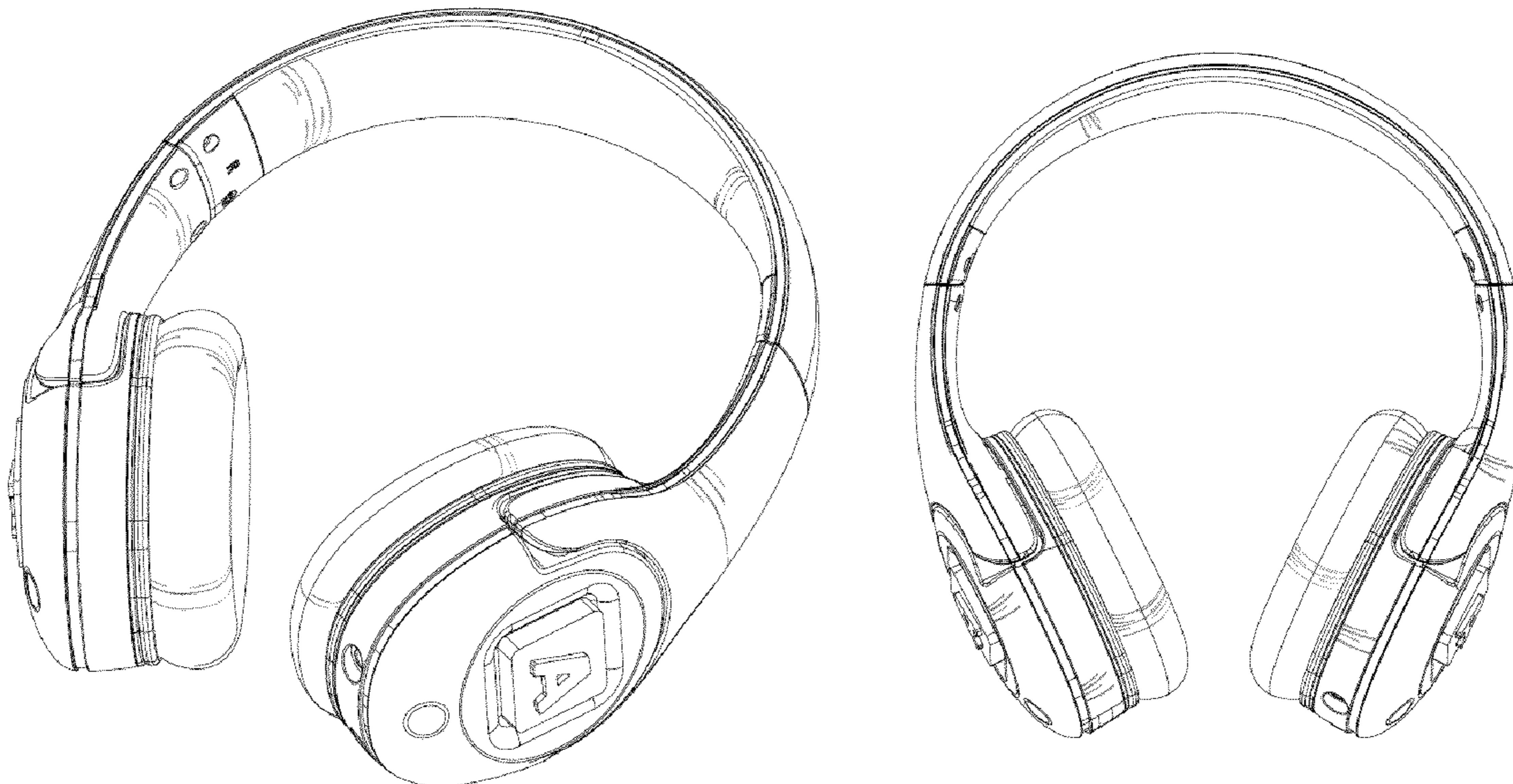




Fig. 1

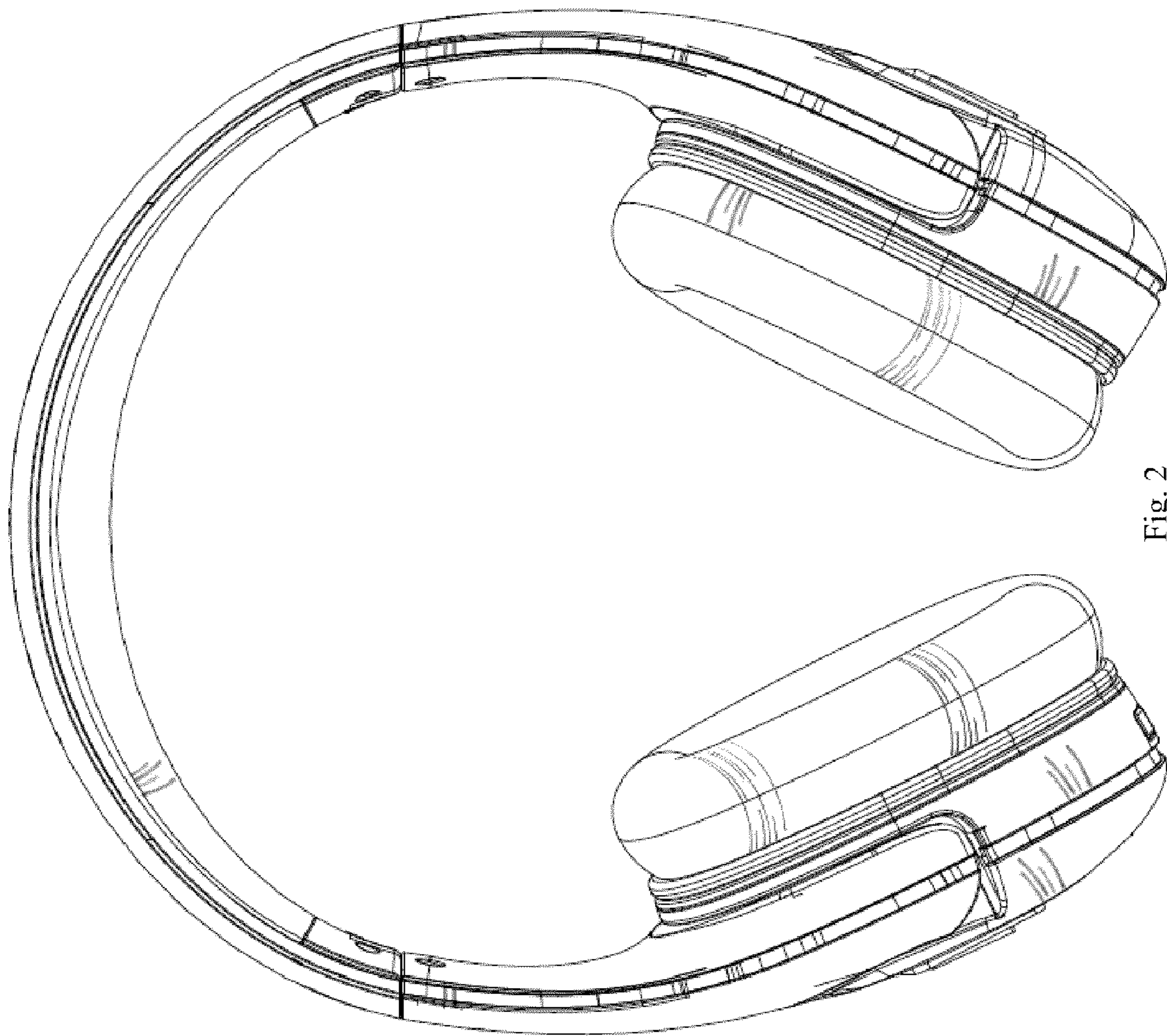


Fig. 2

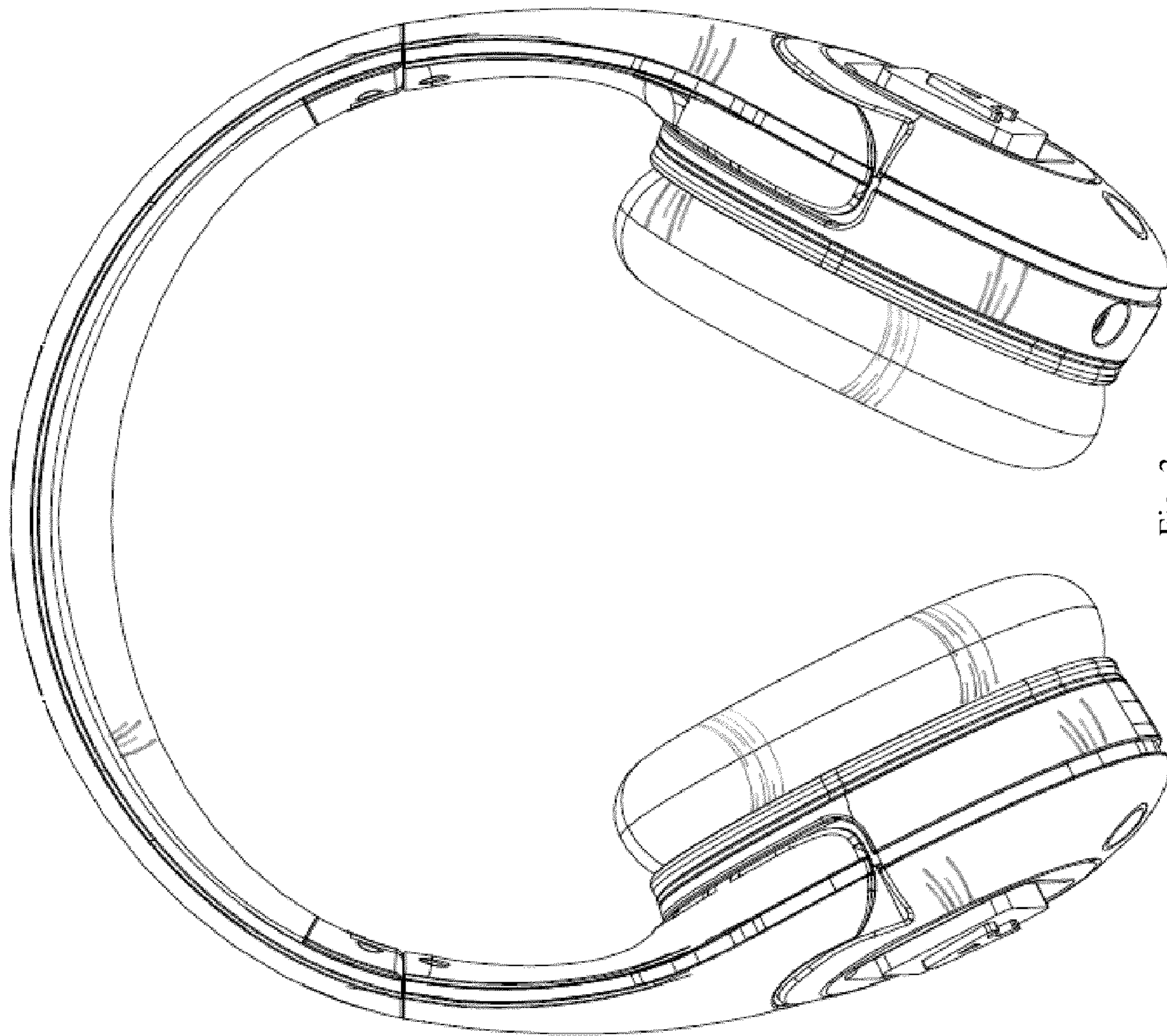


Fig. 3



Fig. 4

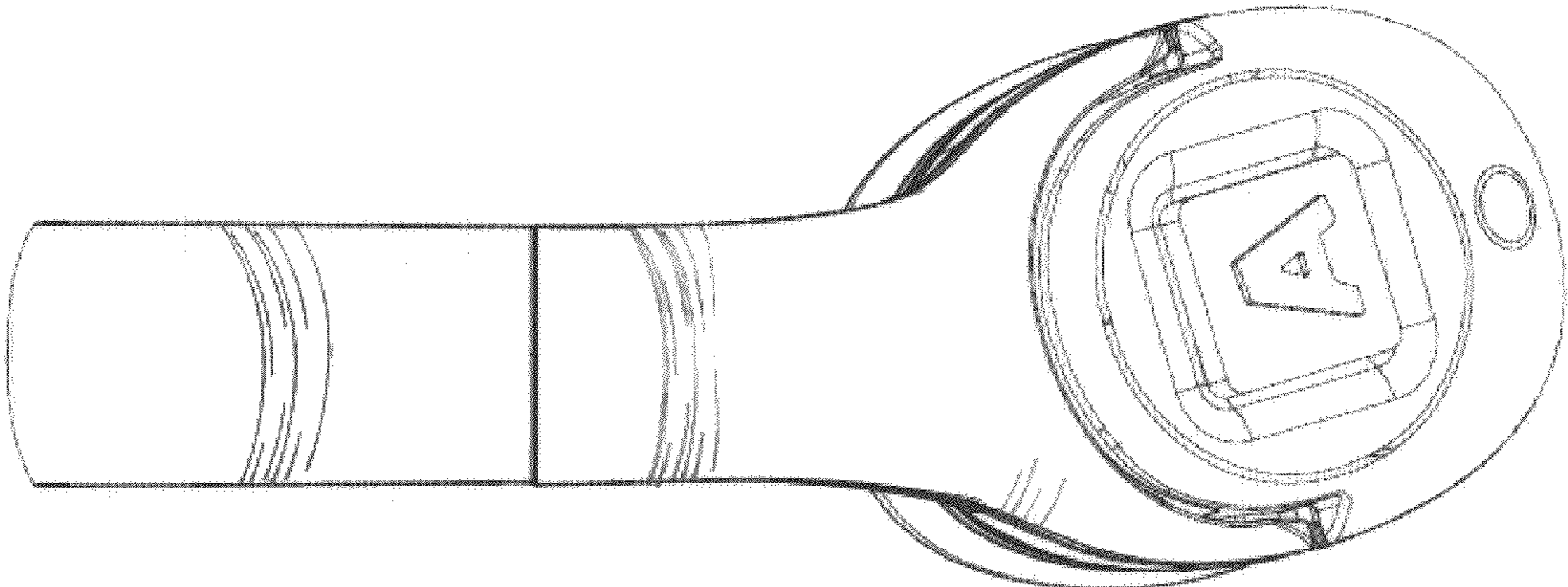


Fig. 5

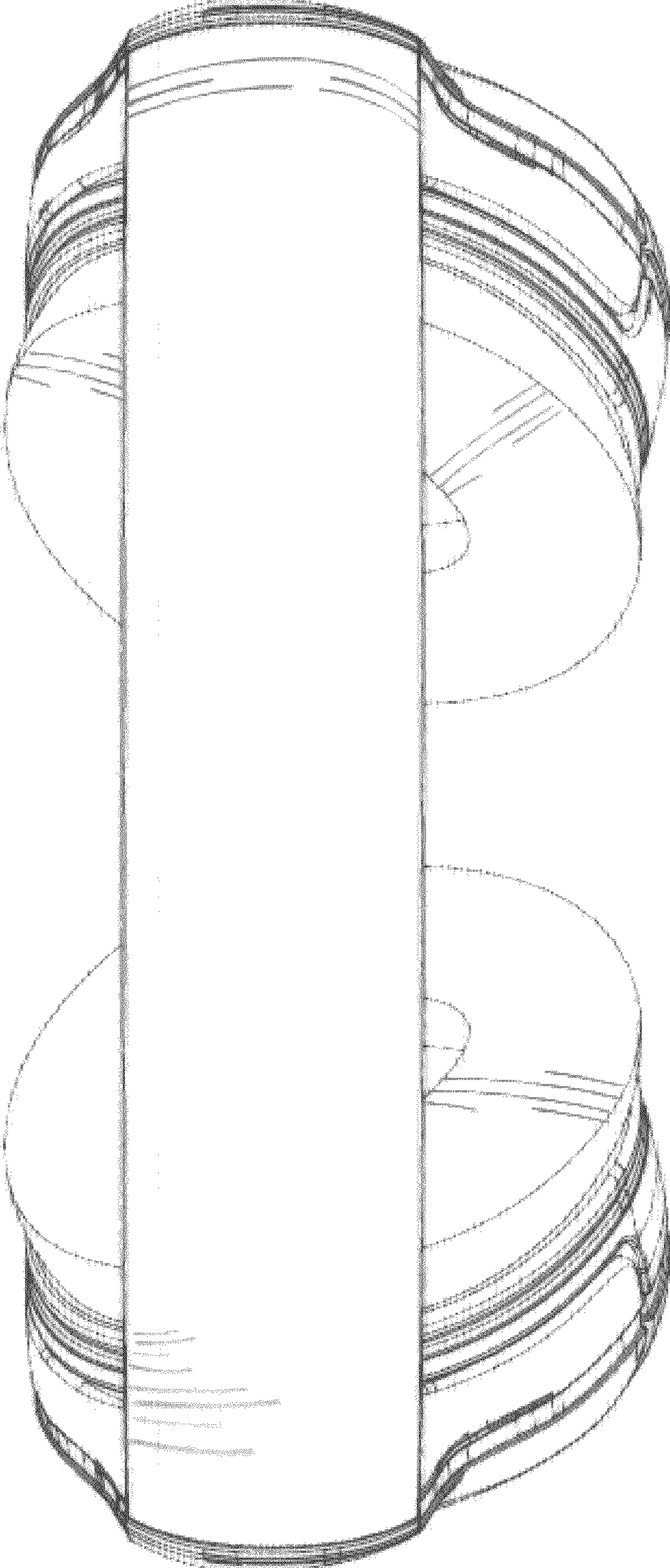


Fig. 6

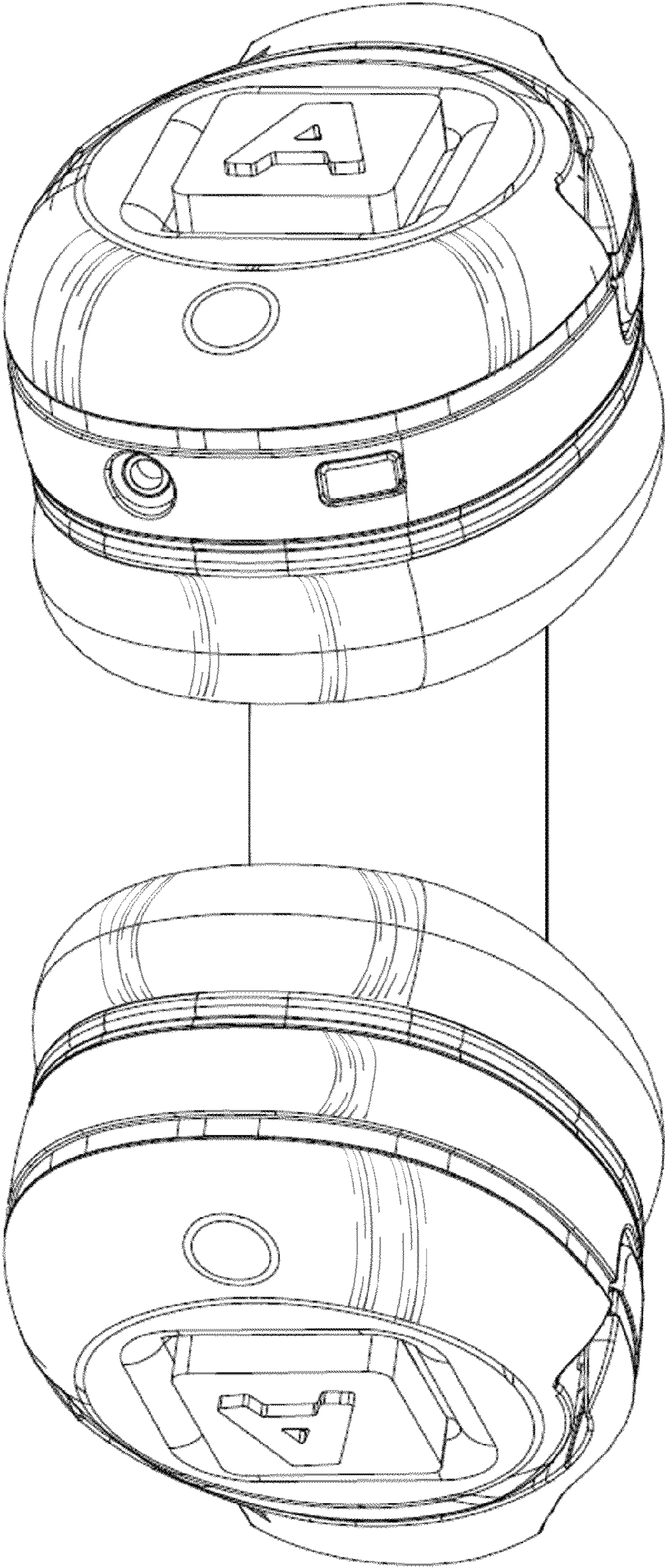


Fig. 7



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

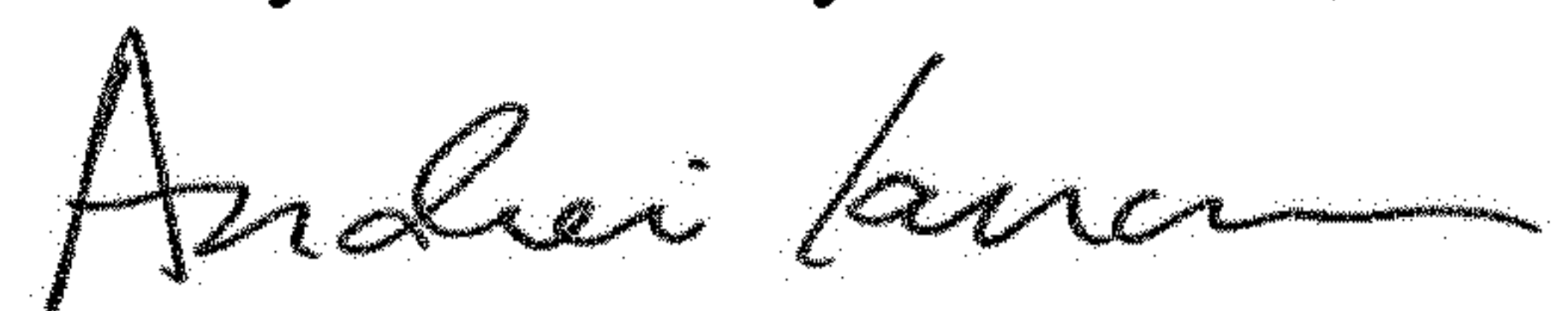
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

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*