

US00D817301S

(12) **United States Design Patent** (10) **Patent No.:** **US D817,301 S**  
**Aoyagi et al.** (45) **Date of Patent:** **\*\* \*May 8, 2018**

(54) **HEADPHONES**  
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(73) Assignee: **Apple Inc.**, Cupertino, CA (US)

(\*) Notice: This patent is subject to a terminal disclaimer.

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

(21) Appl. No.: **29/575,696**

(22) Filed: **Aug. 26, 2016**

(51) **LOC (11) Cl.** ..... **14-01**

(52) **U.S. Cl.**  
USPC ..... **D14/205**

(58) **Field of Classification Search**  
USPC ..... D14/205, 223; 181/129, 130, 135; 379/430, 431; 381/380, 381, 374; 455/90.3, 575.1, 569.1  
CPC ..... H04R 1/1016; H04R 1/1066; H04R 1/10; H04R 25/00; H04R 5/033; H04R 5/0335; H04R 1/105; H04R 1/1033; G06F 3/01  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

2,248,837 A 7/1941 Walters  
2,430,229 A 11/1947 Kelsey  
2,501,107 A \* 3/1950 Volkmann ..... H04R 5/0335  
381/374  
2,545,731 A 3/1951 French  
D168,240 S 11/1952 Rodriaguez

2,739,660 A 3/1956 French  
3,195,392 A \* 7/1965 Guy ..... G10G 7/02  
181/130  
3,301,253 A \* 1/1967 Glorig ..... A61F 11/08  
128/866  
D241,881 S \* 10/1976 Peterson ..... D24/106  
D278,234 S \* 4/1985 Saito ..... D14/205  
D309,306 S 7/1990 Weiser et al.

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN 206323524 U 8/2013  
CN 303159413 4/2015

(Continued)

**OTHER PUBLICATIONS**

Japanese Patent Office Document HJ19003319, dated by JPO Mar. 2007.

(Continued)

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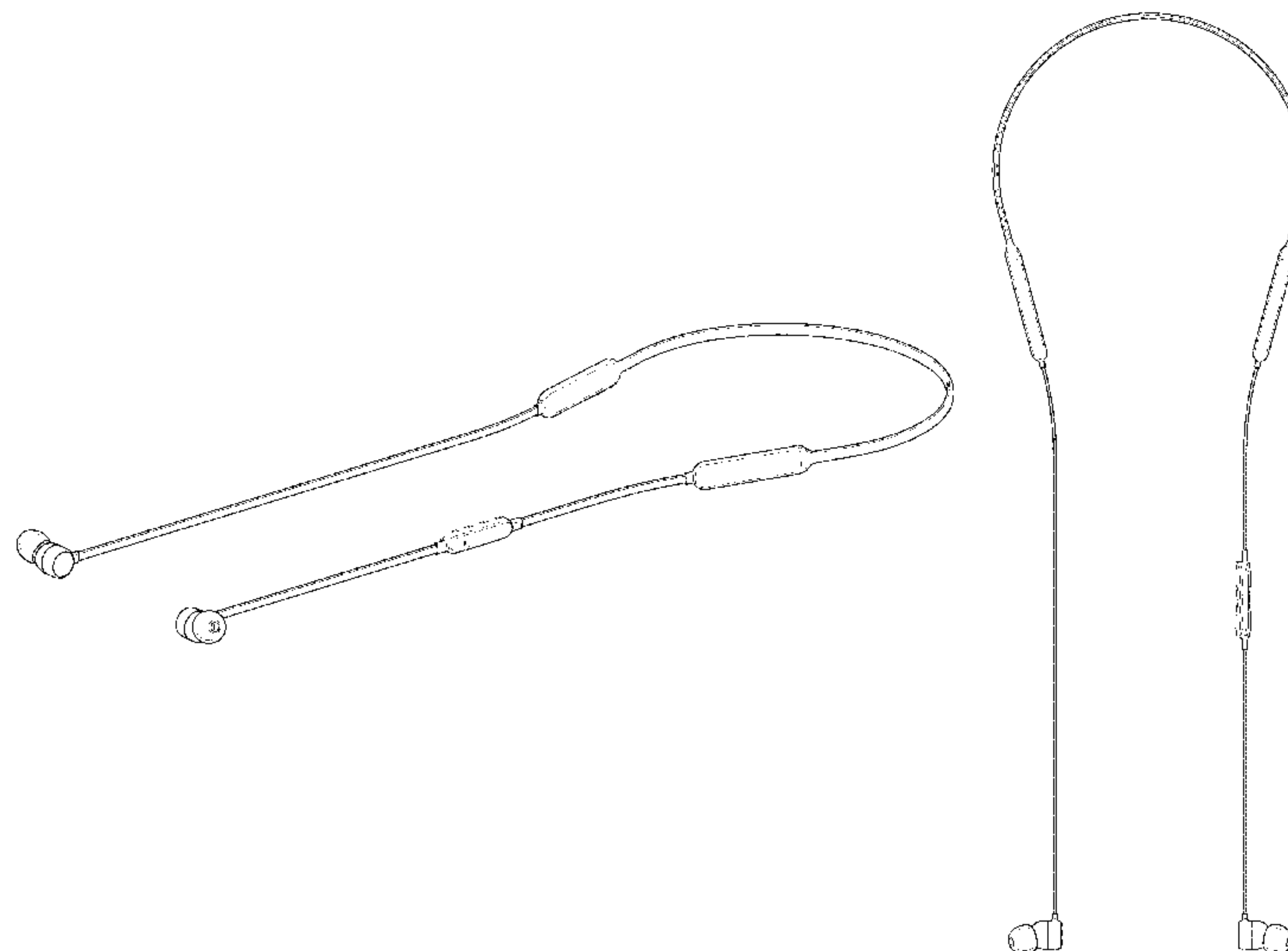
(57) **CLAIM**

The ornamental design for headphones, as shown and described.

**DESCRIPTION**

FIG. 1 is a front perspective view of headphones showing the claimed design;  
FIG. 2 is a front view thereof;  
FIG. 3 is a rear view thereof;  
FIG. 4 is a left side view thereof;  
FIG. 5 is a right side view thereof;  
FIG. 6 is a bottom view thereof; and,  
FIG. 7 is a top view thereof.  
The broken lines in the figures show portions of the headphones that form no part of the claimed design.

**1 Claim, 5 Drawing Sheets**



(56)

References Cited

U.S. PATENT DOCUMENTS

D337,587 S \* 7/1993 Nakayama ..... D14/205  
 D350,354 S \* 9/1994 Nakamura ..... D14/205  
 5,625,171 A 4/1997 Marshall  
 5,659,156 A 8/1997 Mauney et al.  
 5,749,373 A \* 5/1998 Dix ..... A61F 11/12  
 128/864  
 5,792,998 A \* 8/1998 Gardner, Jr. .... A61F 11/14  
 181/130  
 5,829,062 A \* 11/1998 Magidson ..... A61F 11/12  
 128/867  
 6,010,216 A \* 1/2000 Jesiek ..... H04B 1/385  
 351/158  
 6,233,345 B1 \* 5/2001 Urwyler ..... H04R 1/1033  
 351/123  
 D458,245 S \* 6/2002 Masuda ..... D14/192  
 D466,100 S \* 11/2002 Obata ..... D14/167  
 6,603,863 B1 \* 8/2003 Nagayoshi ..... H04R 1/1066  
 381/370  
 D482,348 S 11/2003 Villaverde et al.  
 6,741,719 B1 \* 5/2004 Orten ..... H04R 1/1016  
 381/380  
 6,799,018 B1 \* 9/2004 Lam ..... H04B 10/11  
 381/301  
 D504,177 S \* 4/2005 Erfan ..... D14/205  
 7,010,139 B1 \* 3/2006 Smeehuyzen ..... H04R 1/10  
 381/376  
 D535,642 S 1/2007 Garcia et al.  
 D546,321 S \* 7/2007 Kim ..... D14/223  
 D550,202 S \* 9/2007 Meier ..... D14/206  
 D550,657 S 9/2007 Gan et al.  
 D554,109 S 10/2007 Ledbetter et al.  
 D575,268 S \* 8/2008 Christopher ..... D14/205  
 D576,149 S \* 9/2008 Malik ..... D14/205  
 D576,154 S 9/2008 Ledbetter et al.  
 D578,507 S \* 10/2008 Ando ..... D14/205  
 D579,005 S 10/2008 Wilhelmsen  
 D579,444 S 10/2008 Ewert et al.  
 D587,678 S \* 3/2009 Yuyama ..... D14/205  
 D587,681 S 3/2009 Yanai  
 D587,685 S 3/2009 Densho  
 D589,493 S 3/2009 Densho  
 D593,067 S \* 5/2009 Millora ..... D14/205  
 D594,441 S 6/2009 Lee et al.  
 D594,442 S \* 6/2009 Chon ..... D14/205  
 D596,617 S \* 7/2009 Devlas ..... D14/205  
 D598,901 S 8/2009 Lee et al.  
 D599,781 S 9/2009 Lee et al.  
 D600,675 S 9/2009 Lee et al.  
 D604,269 S \* 11/2009 Choe ..... D14/205  
 D604,272 S 11/2009 Kitayama  
 D606,971 S 12/2009 Christopher et al.  
 D607,875 S \* 1/2010 Pedersen, II ..... H04R 1/1033  
 D14/206  
 D609,698 S 2/2010 Ng  
 D621,389 S 8/2010 Nagayama et al.  
 D622,707 S 8/2010 Chen et al.  
 D623,630 S 9/2010 Ohori et al.  
 D627,764 S 11/2010 Tsai et al.  
 D627,765 S 11/2010 Zheng  
 D629,793 S 12/2010 Göransson  
 D630,179 S 1/2011 Park et al.  
 D631,037 S 1/2011 Park et al.  
 D636,763 S 4/2011 Walter  
 7,920,902 B2 \* 4/2011 Carroll ..... H04M 1/6066  
 381/74  
 D637,585 S 5/2011 Nagayama et al.  
 D643,830 S \* 8/2011 Fish ..... D14/205  
 D648,708 S 11/2011 Katsuraku et al.  
 D650,368 S 12/2011 Lee et al.  
 D653,234 S \* 1/2012 Lee ..... D14/205  
 D656,489 S 3/2012 Kumagai et al.  
 D656,491 S 3/2012 Nomura  
 D663,714 S \* 7/2012 Kang ..... D14/205

D669,881 S \* 10/2012 Clements ..... D14/205  
 8,290,193 B2 \* 10/2012 Pang ..... H04R 1/1033  
 381/370  
 8,433,082 B2 \* 4/2013 Abolfathi ..... H04R 1/46  
 381/151  
 D683,334 S 5/2013 Gondo  
 D685,764 S \* 7/2013 Coulter ..... D14/205  
 D695,724 S 12/2013 Ishikura  
 8,611,581 B2 12/2013 Matsuo et al.  
 8,712,087 B2 4/2014 Ozawa  
 D707,652 S 6/2014 Brunner et al.  
 D707,660 S 6/2014 Yang  
 8,743,533 B2 \* 6/2014 Stanley ..... H01H 9/0228  
 361/679.01  
 D712,371 S \* 9/2014 Henning ..... D14/205  
 D716,759 S \* 11/2014 Ha ..... D14/205  
 8,879,768 B2 11/2014 Podoloff  
 D721,673 S \* 1/2015 Park ..... D14/205  
 8,934,654 B2 \* 1/2015 Fullam ..... H04R 1/028  
 381/381  
 D722,040 S \* 2/2015 Tan ..... D14/205  
 D726,145 S \* 4/2015 Hsieh ..... D14/205  
 D731,999 S \* 6/2015 Ceyress ..... D14/205  
 D736,178 S \* 8/2015 Tsou ..... D14/206  
 D737,251 S 8/2015 Thompson et al.  
 D743,381 S \* 11/2015 Pi ..... D14/218  
 D743,947 S 11/2015 Yoshimura  
 9,197,959 B2 11/2015 Fukushima et al.  
 D756,958 S \* 5/2016 Lee ..... D14/205  
 D756,959 S \* 5/2016 Lee ..... D14/205  
 D762,196 S 7/2016 Hsieh et al.  
 D762,616 S 8/2016 Hsieh et al.  
 D771,010 S \* 11/2016 Louis ..... D11/3  
 D775,108 S 12/2016 Hsieh et al.  
 D777,136 S \* 1/2017 Erbeus ..... D14/205  
 D777,137 S \* 1/2017 Erbeus ..... D14/205  
 D777,138 S \* 1/2017 Fletcher ..... D14/205  
 D777,139 S \* 1/2017 Fletcher ..... D14/205  
 D778,267 S 2/2017 Hsieh et al.  
 D780,155 S 2/2017 Levine et al.  
 D782,998 S \* 4/2017 Shin ..... D14/205  
 D786,217 S \* 5/2017 Stoch ..... D14/205  
 2013/0170692 A1 \* 7/2013 Kaneko ..... H04R 1/1033  
 381/380  
 2016/0050487 A1 \* 2/2016 Kim ..... H04R 1/323  
 381/74  
 2017/0295421 A1 \* 10/2017 Hung ..... H04R 1/1016

FOREIGN PATENT DOCUMENTS

CN 303190103 4/2015  
 CN 303297640 7/2015  
 CN 303634597 4/2016  
 CN 303647619 4/2016  
 CN 303654967 4/2016  
 CN 303691284 6/2016  
 CN 303841127 9/2016  
 CN 304122715 S 1/2017  
 JP D1322444 S 1/2008  
 JP 2013168981 A 8/2013  
 JP D1490815 1/2014  
 JP D1567615 S 12/2016  
 JP D1577262 S 4/2017  
 KR D 30-0796056 5/2015  
 KR D 30-0852003 4/2016

OTHER PUBLICATIONS

Dime, Japanese Patent Office Document HA27001939, dated by JPO Apr. 16, 2015.  
 John Schettino, Nyrius NAE500 Noise Isolating In-Ear Earphones Review, Online Review, Feb. 23, 2012.  
 Chester Tan, Beoplay H3: Earphones Review, Online Review, Jun. 4, 2014.

\* cited by examiner

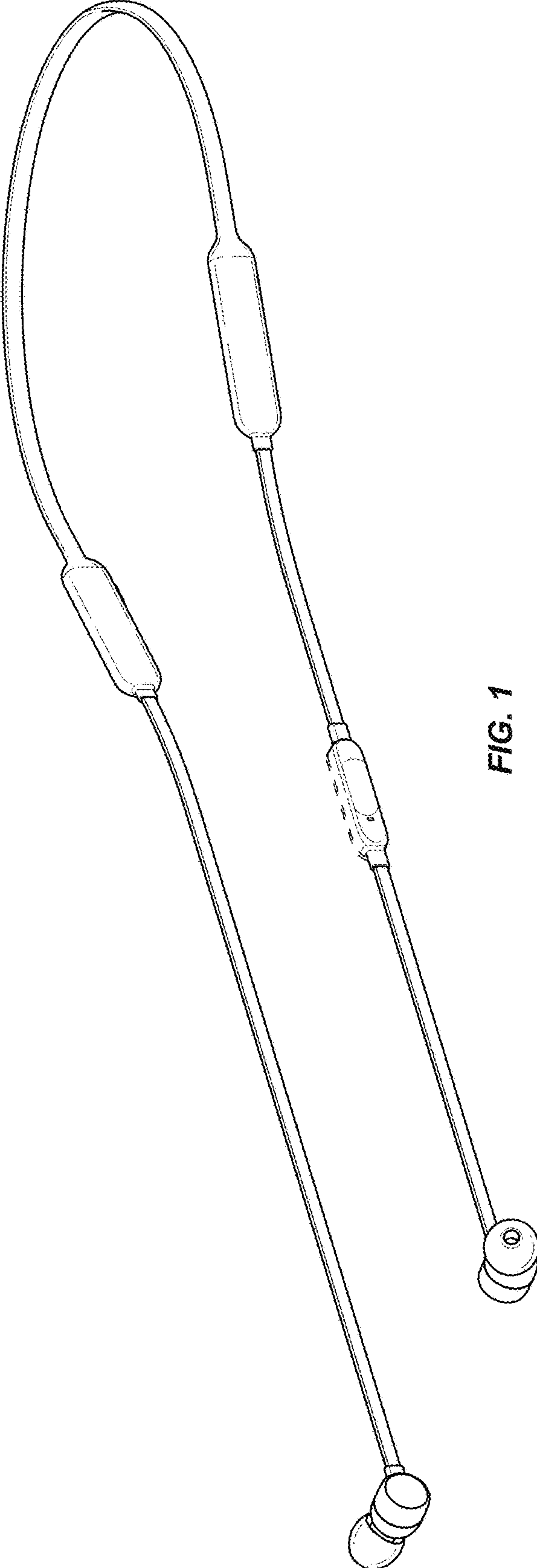


FIG. 1



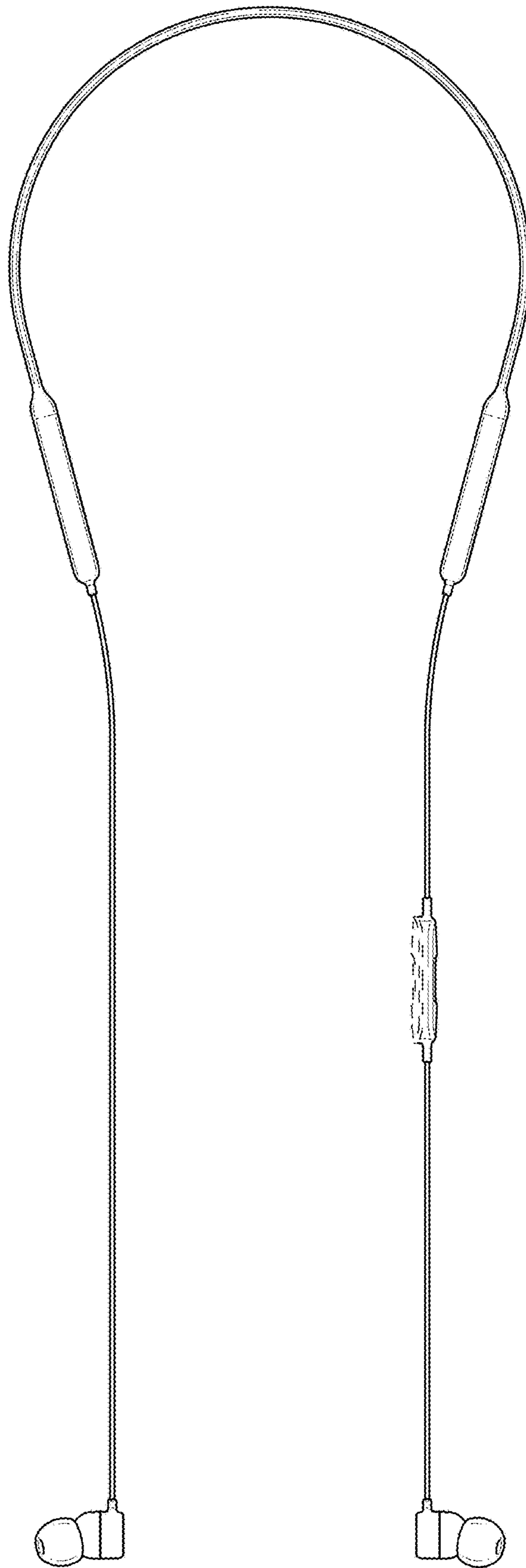


FIG. 2

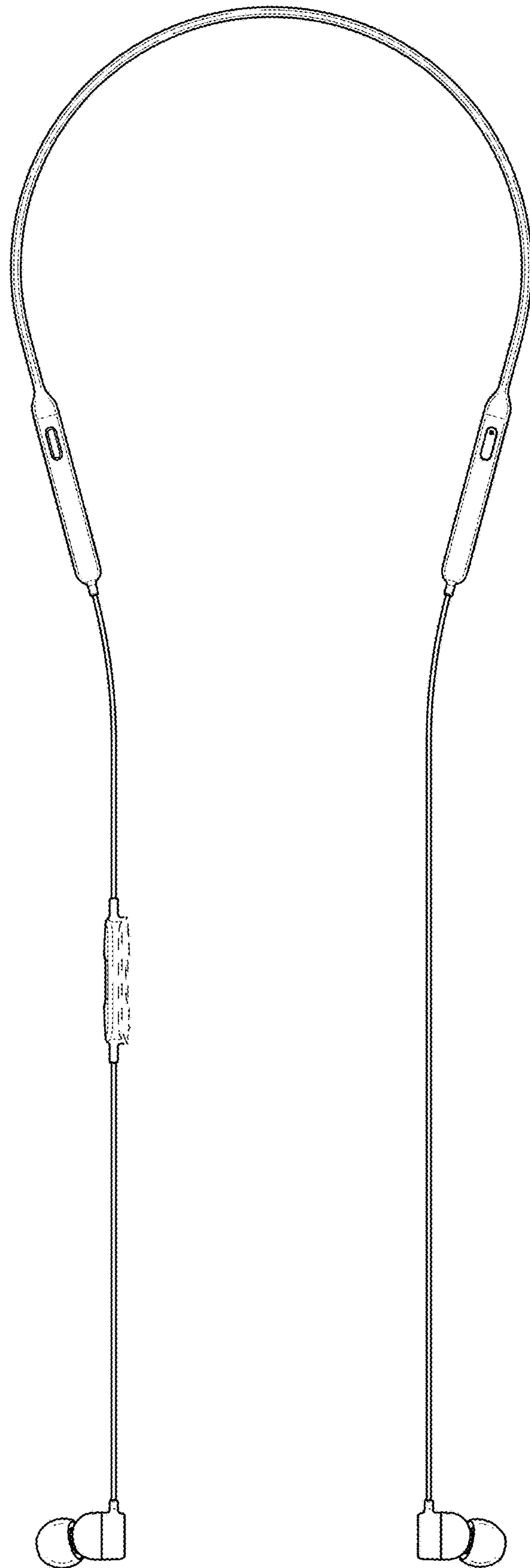


FIG. 3

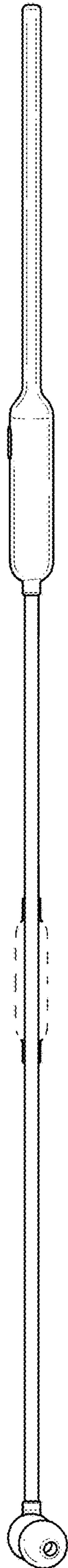


FIG. 4

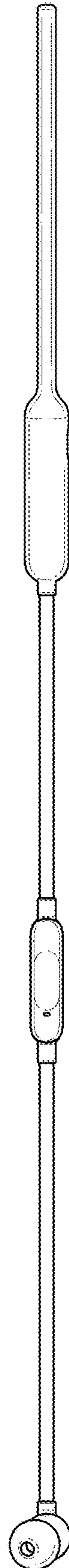
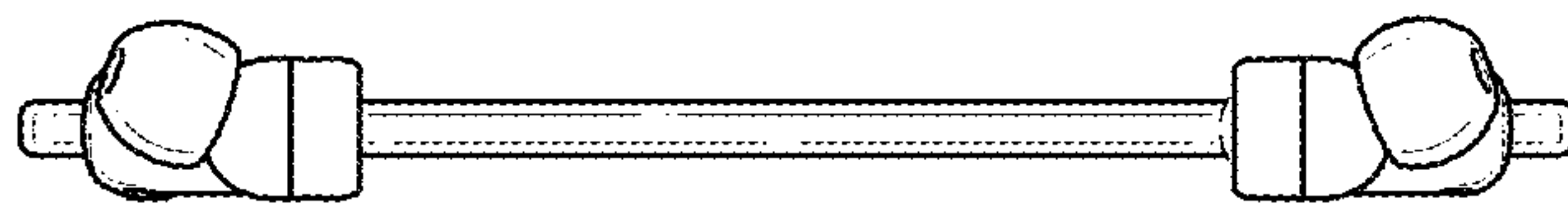
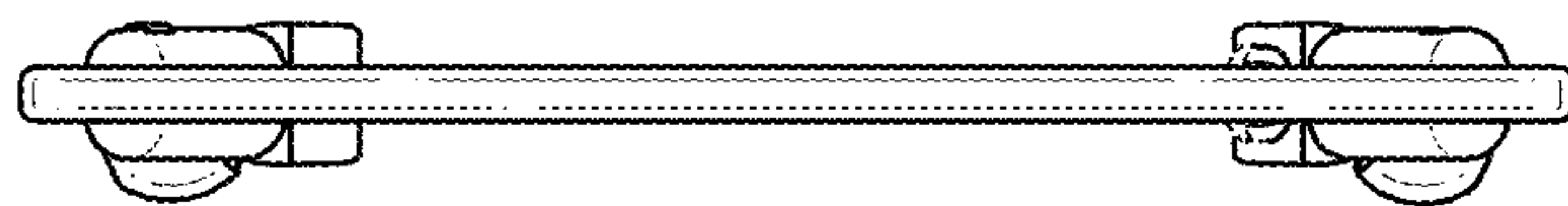


FIG. 5



**FIG. 6**



**FIG. 7**

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

PATENT NO. : D817,301 S  
APPLICATION NO. : 29/575696  
DATED : May 8, 2018  
INVENTOR(S) : Aoyagi et al.

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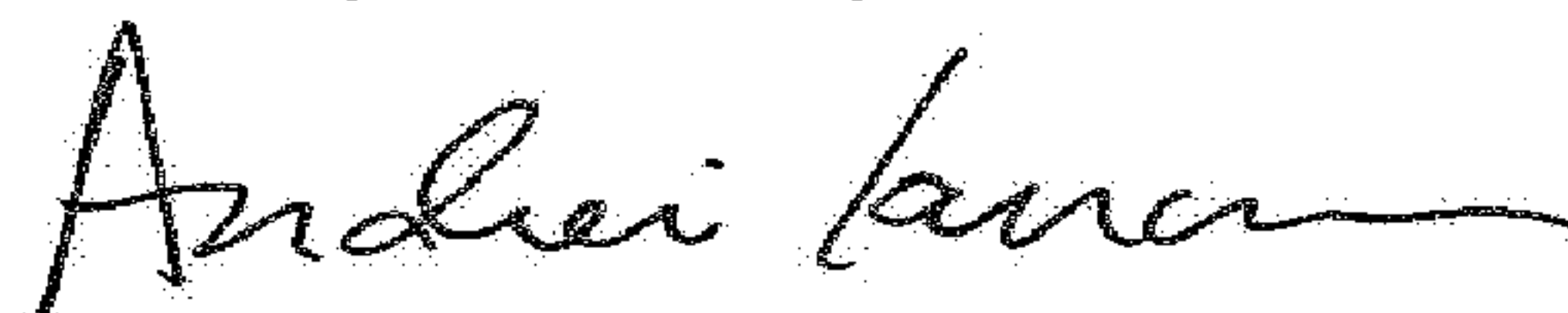
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

Delete the (\*) Notice section, which reads:

“(\*) Notice: This patent is subject to a terminal disclaimer.”

Signed and Sealed this  
Twenty-sixth Day of June, 2018



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