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

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(54) **EAR PHONE**

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

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

(58) **Field of Classification Search**
USPC D14/205, 223, 217, 433, 372; D13/147; 181/129, 130, 135; 379/430, 431; 381/380, 381, 370, 374; 455/90.3, 575.1, 455/569.1; 345/7, 8; 343/718; 700/94; 710/3; 235/487
CPC H04R 1/10; H04R 1/1033; H04R 5/033; H04R 5/0335; H04R 1/1058; H04R 1/1041; H04R 1/1066; H04R 1/1016; H04R 4/24; H04R 1/1083
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 1,523,051 A * 1/1925 Carpenter H04R 1/1033 174/105 R
- D416,869 S * 11/1999 Tsai D13/153
- 6,975,644 B2 * 12/2005 Tordera H04W 88/02 370/463
- D519,108 S * 4/2006 Yang D14/223
- D564,495 S * 3/2008 Sasaki D14/205
- D567,217 S * 4/2008 Kamo D14/205

- D569,841 S * 5/2008 Chung D14/205
- D572,703 S * 7/2008 Ledbetter D14/205
- D573,978 S * 7/2008 Ledbetter D14/205
- D587,681 S * 3/2009 Yanai D14/205
- D591,264 S * 4/2009 Hong D14/205
- D594,441 S * 6/2009 Lee D14/205
- D605,182 S * 12/2009 Fagnot D14/223
- D605,628 S * 12/2009 Ando D14/205
- D614,168 S * 4/2010 Rogers D14/206
- D620,482 S * 7/2010 Chen D14/225
- D637,181 S * 5/2011 Fuller D14/223
- 8,073,181 B2 * 12/2011 Bakalos H04R 3/04 381/103
- 8,218,808 B2 * 7/2012 Xu H04R 1/1033 381/370

(Continued)

FOREIGN PATENT DOCUMENTS

- EM 001727694-0001 * 7/2010
- EM 002160119-0001 * 12/2012
- EM 003300920-0001 * 7/2016

Primary Examiner — Paula Allen Greene

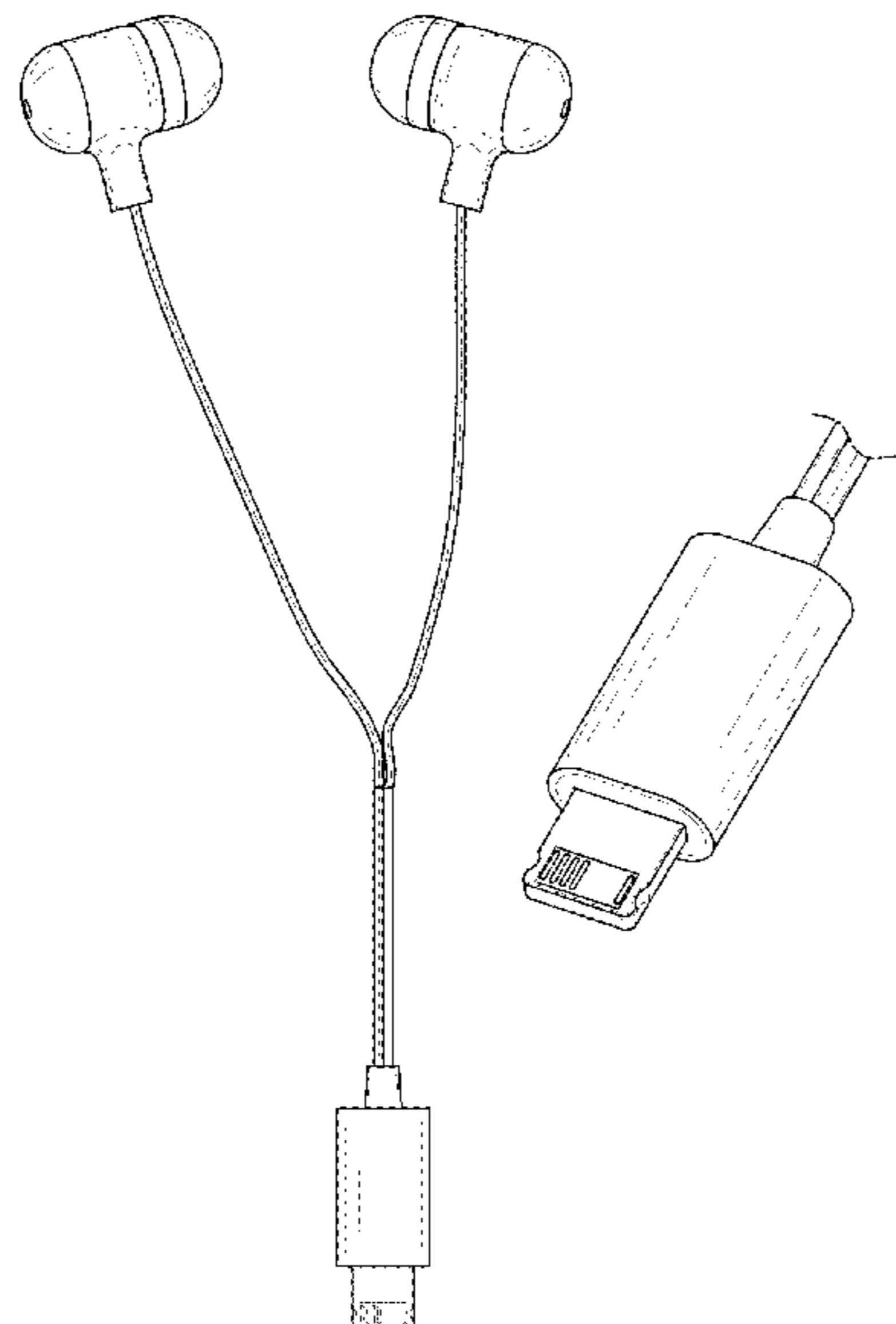
(57) **CLAIM**

The ornamental design for an ear phone, as shown and described.

DESCRIPTION

FIG. 1 is a front view of an ear phone showing our new design;
 FIG. 2 is a back view thereof;
 FIG. 3 is a left side view thereof;
 FIG. 4 is a right side view thereof;
 FIG. 5 is a top view thereof;
 FIG. 6 is a bottom view thereof;
 FIG. 7 is a top perspective view thereof;
 FIG. 8 is a perspective view of an enlarged portion thereof, shown separately for ease of illustration; and,
 FIG. 9 is a perspective view of an enlarged portion thereof, shown separately for ease of illustration.

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

8,237,623 B2 * 8/2012 Hung H01Q 1/52
 343/702
 8,290,193 B2 * 10/2012 Pang H04R 1/1033
 381/370
 D680,102 S * 4/2013 Chen D14/223
 8,442,257 B2 * 5/2013 Aase H01B 13/0013
 381/370
 8,447,062 B2 * 5/2013 Lin H04R 1/1033
 381/370
 D685,764 S * 7/2013 Coulter D14/205
 D707,680 S * 6/2014 Akana D14/433
 D712,371 S * 9/2014 Henning D14/205
 D713,795 S * 9/2014 Yang D13/147
 D726,145 S * 4/2015 Hsieh D14/205
 9,031,264 B2 * 5/2015 Yang H04R 1/1033
 381/189
 D732,035 S * 6/2015 Akana D14/433
 D736,150 S * 8/2015 Liu D13/108
 D742,320 S * 11/2015 Akana D13/147
 D742,355 S * 11/2015 Toelle D14/205
 D742,356 S * 11/2015 Toelle D14/205
 D743,370 S * 11/2015 Toelle D14/205
 D743,932 S * 11/2015 Toelle D14/205
 9,241,209 B2 * 1/2016 Toelle H04R 1/1066
 D751,991 S * 3/2016 Akana D13/147

D765,601 S * 9/2016 Palmer D13/147
 D810,749 S * 2/2018 Zhang D14/433
 D815,600 S * 4/2018 Matsuoka D13/147
 D826,171 S * 8/2018 Wang D13/147
 D831,610 S * 10/2018 Aoyagi D14/205
 D864,963 S * 10/2019 Luo D14/433
 D874,429 S * 2/2020 Aoyagi D14/205
 2002/0170972 A1 * 11/2002 Kim G06K 19/07743
 235/487
 2004/0204177 A1 * 10/2004 Pon H04B 1/3883
 455/573
 2005/0215108 A1 * 9/2005 Chen H01R 13/641
 439/409
 2013/0058516 A1 * 3/2013 Sullivan H04R 1/1033
 381/380
 2013/0170692 A1 * 7/2013 Kaneko H04R 1/1016
 381/380
 2014/0233746 A1 * 8/2014 Tanaka H04R 1/1016
 381/66
 2014/0233749 A1 * 8/2014 Shimizu H04R 1/1083
 381/71.6
 2014/0376765 A1 * 12/2014 Toelle H04R 1/1066
 381/384
 2016/0322756 A1 * 11/2016 Tsai H01R 13/6581
 2017/0295421 A1 * 10/2017 Hung H04R 1/1033
 2019/0306609 A1 * 10/2019 Lee H04R 1/1066

* cited by examiner

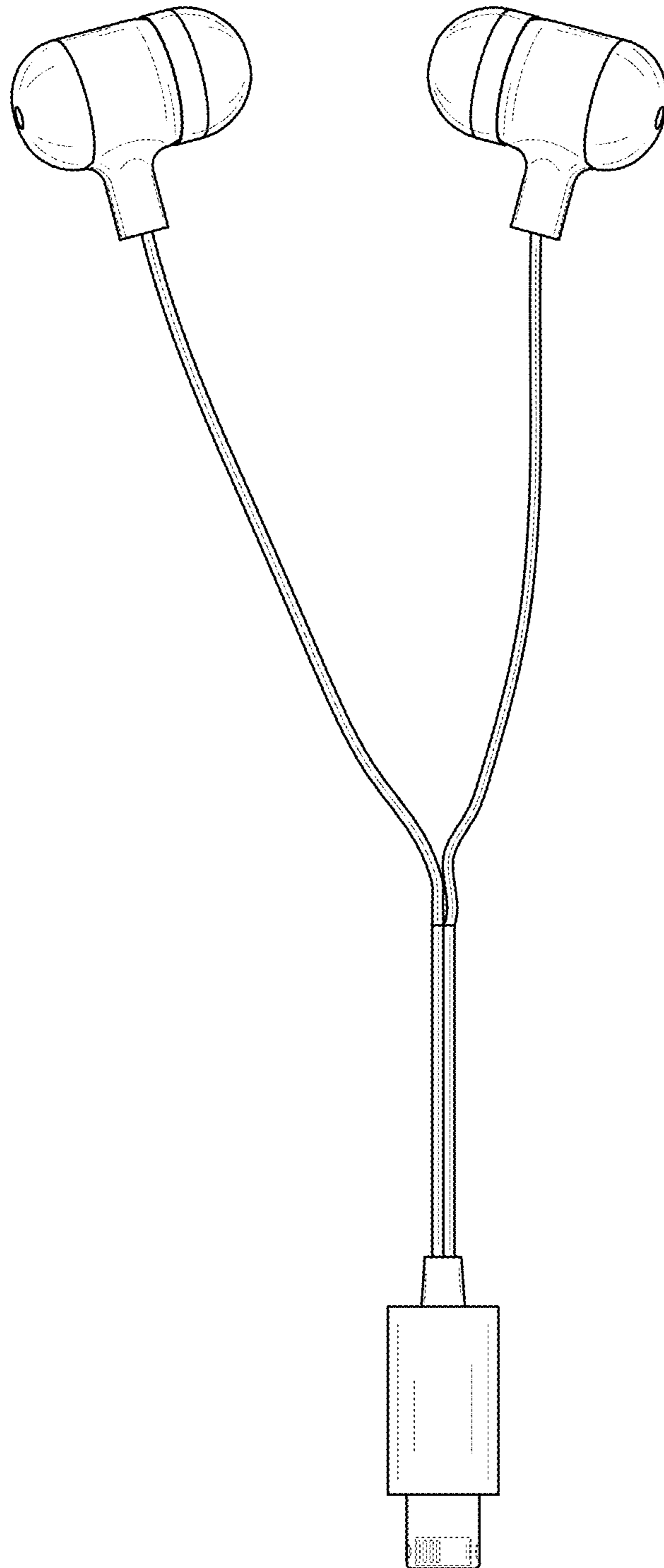


FIG. 1

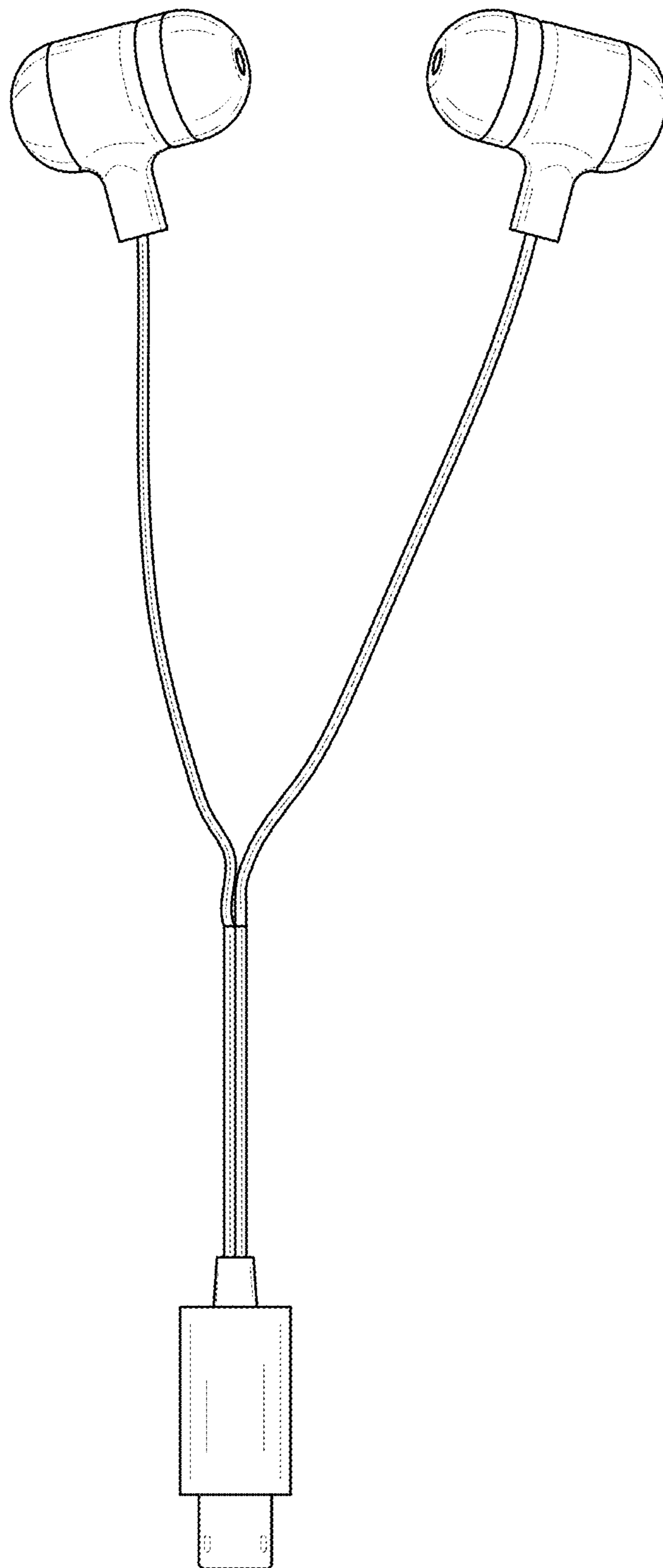


FIG.2

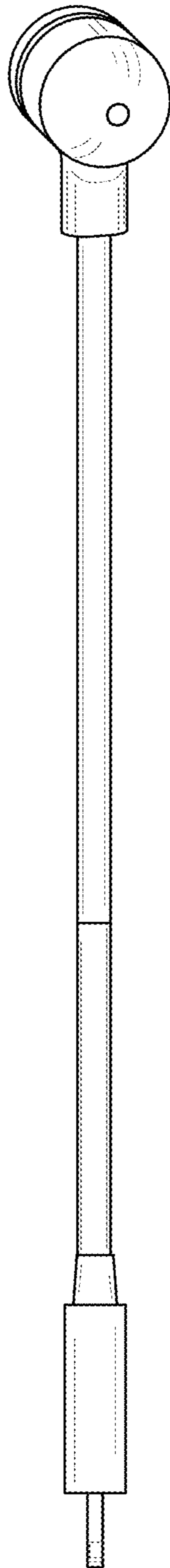


FIG.3

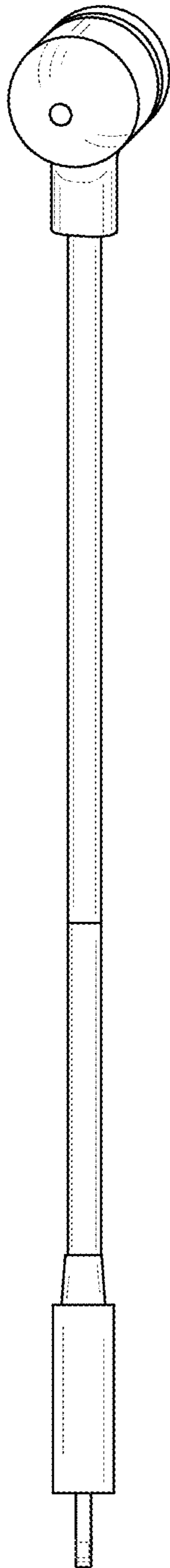


FIG.4

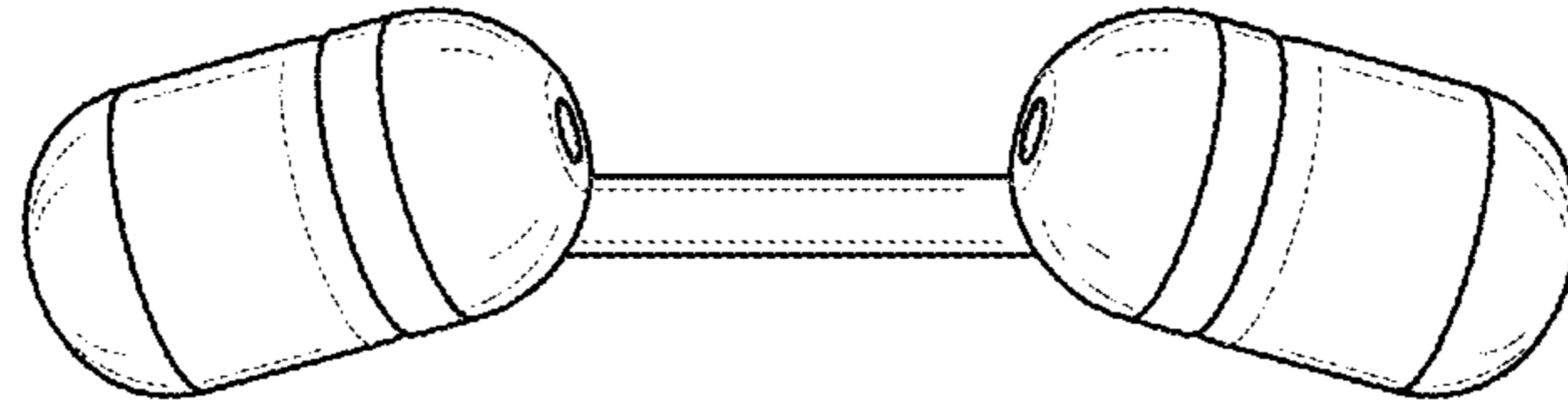


FIG. 5

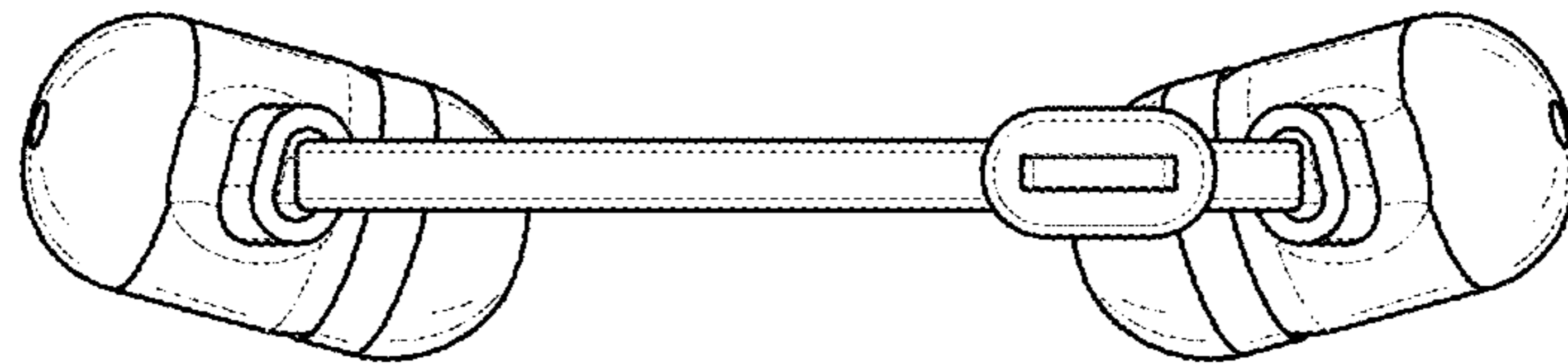


FIG. 6

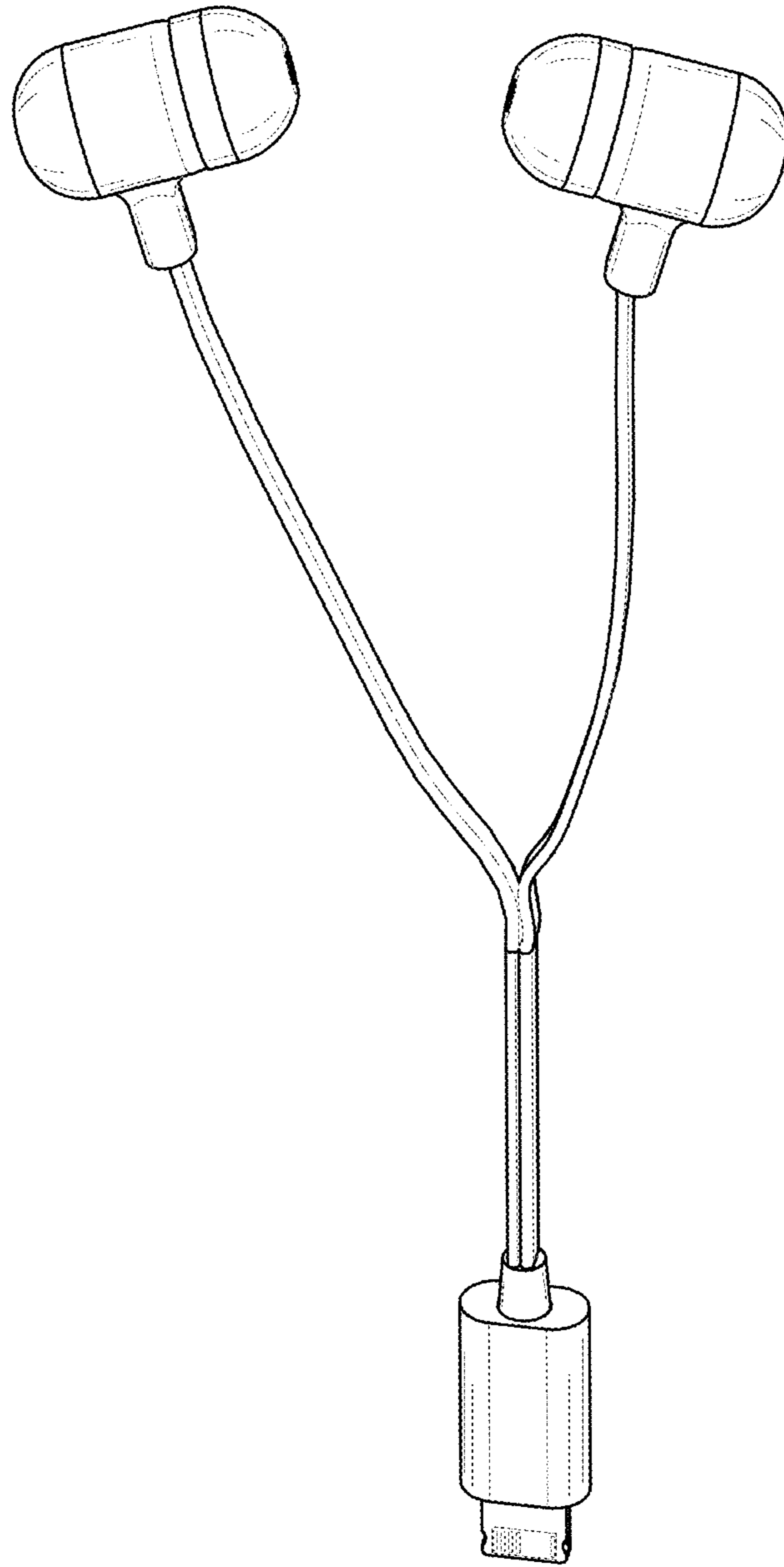


FIG. 7

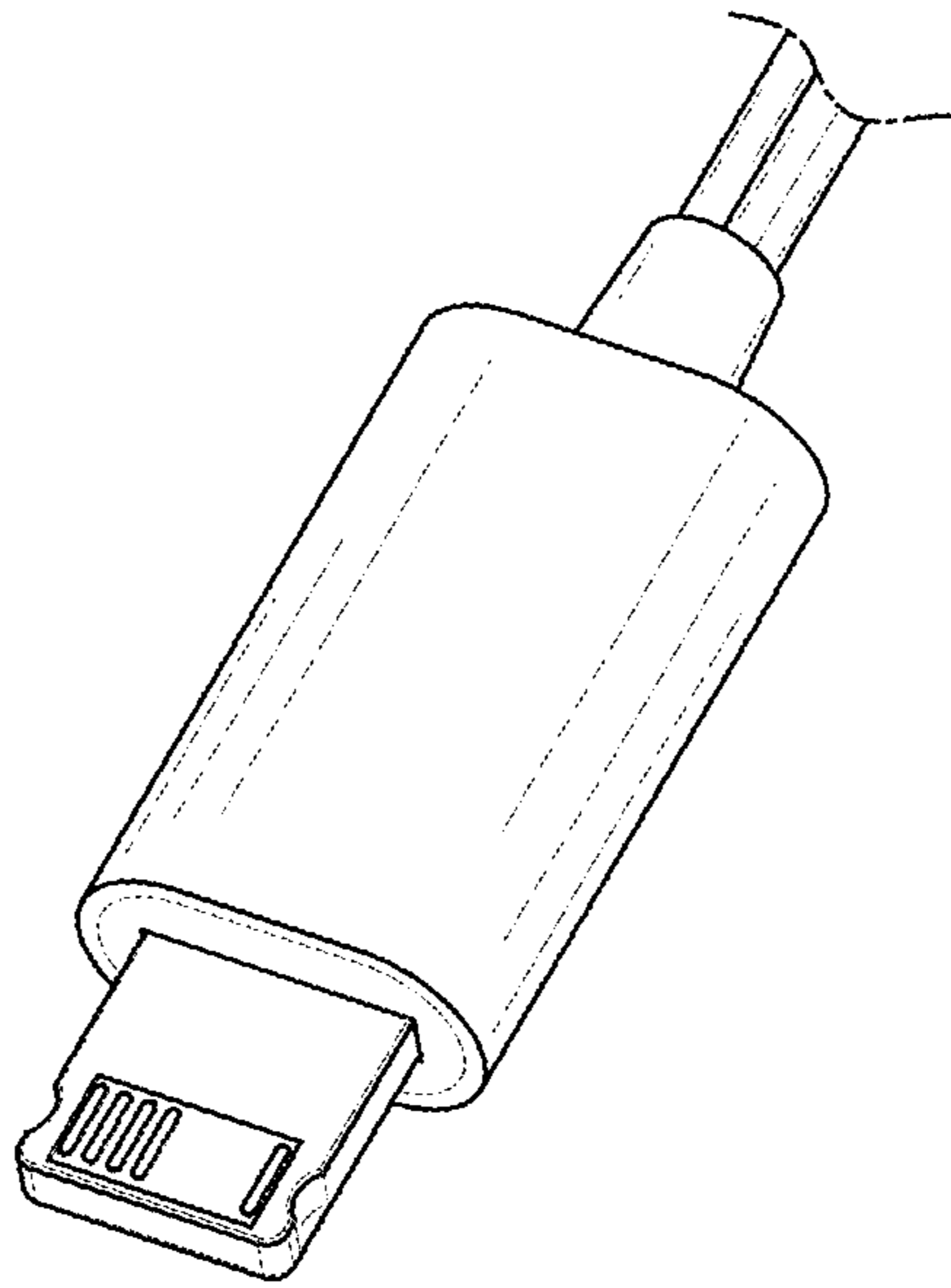


FIG. 8

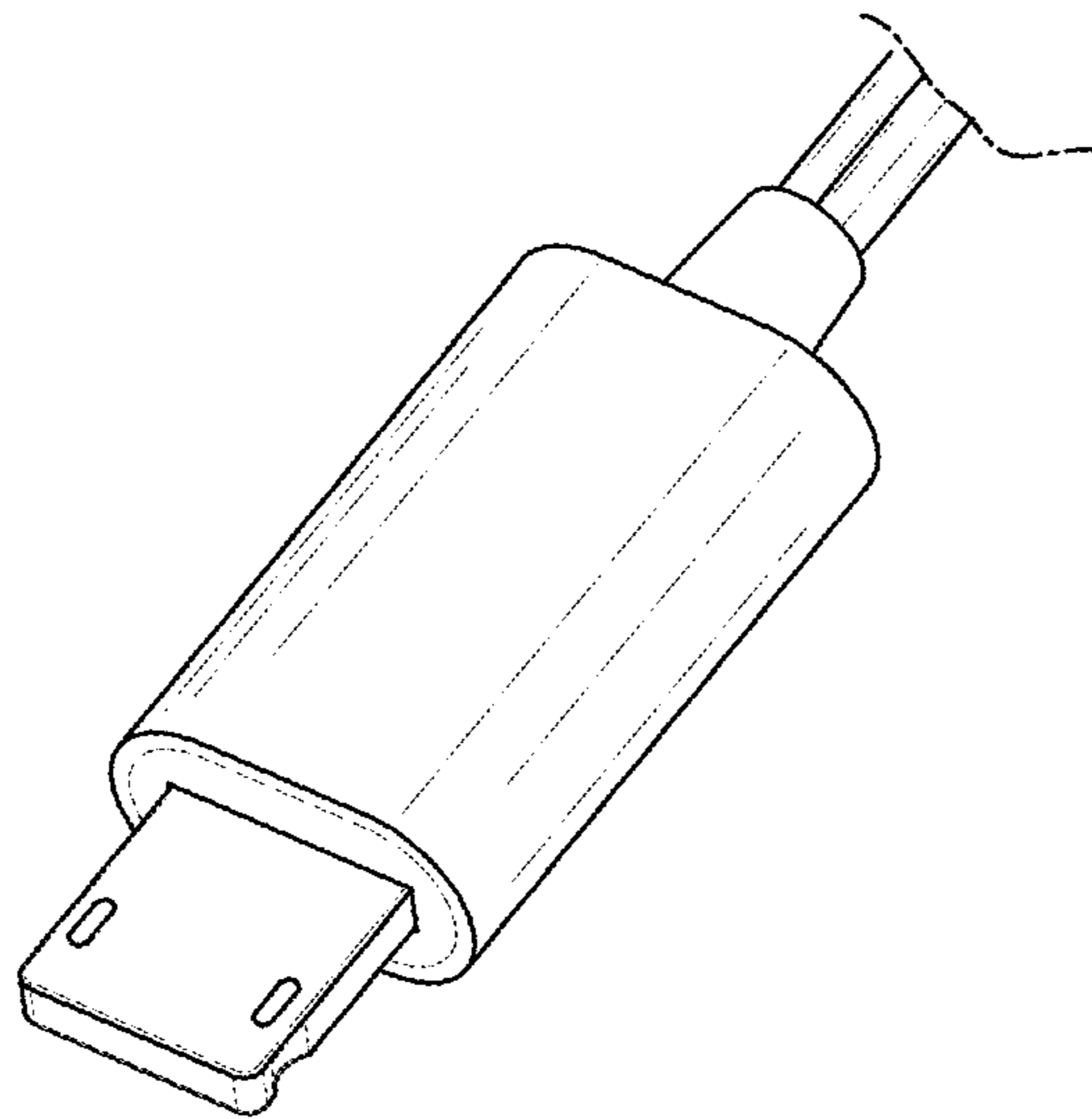


FIG. 9