

US00D962892S

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

(10) **Patent No.:** **US D962,892 S**  
(45) **Date of Patent:** **\*\* Sep. 6, 2022**

- (54) **WIRELESS EARPHONE**
- (71) Applicant: **SHENZHEN WEIBEN TECHNOLOGY CO., LTD.**, Shenzhen (CN)
- (72) Inventor: **Jianzhong Guo**, Shenzhen (CN)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/752,416**
- (22) Filed: **Sep. 27, 2020**
- (51) **LOC (13) Cl.** ..... **14-01**
- (52) **U.S. Cl.**  
USPC ..... **D14/205**
- (58) **Field of Classification Search**  
USPC ..... D14/205, 223; D24/106, 174; 128/864, 128/865, 866; 381/380, 381, 322, 328; 455/90.3, 575.1, 569.1  
CPC ..... H04R 1/10; H04R 1/1033; H04R 1/1066; H04R 1/1016; H04R 5/033; H04R 5/0035; H04R 1/105; H04R 1/1083; H04R 1/1058; H04R 1/1091  
See application file for complete search history.

D593,067 S *	5/2009	Millora	.....	D14/205
D663,714 S *	7/2012	Kang	.....	D14/205
D685,750 S *	7/2013	Nakagawa	.....	D13/168
D712,371 S	9/2014	Henning		
D716,759 S *	11/2014	Ha	.....	D14/205
D721,673 S *	1/2015	Park	.....	D14/205
D726,649 S *	4/2015	Lee	.....	D13/103
D730,867 S *	6/2015	Park	.....	D14/205
D731,999 S *	6/2015	Cepress	.....	D14/205
D743,933 S *	11/2015	Park	.....	D14/205
D745,490 S *	12/2015	Zheng	.....	D14/205
D756,958 S *	5/2016	Lee	.....	D14/205
D762,617 S *	8/2016	Park	.....	D14/205
D766,869 S *	9/2016	Lee	.....	D14/205
D768,600 S *	10/2016	Chen	.....	D14/205
D771,013 S *	11/2016	Yang	.....	D14/205
D771,588 S *	11/2016	Choe	.....	D14/205
D772,843 S *	11/2016	Lee	.....	D14/205

(Continued)

**FOREIGN PATENT DOCUMENTS**

CN	306550463	*	5/2021
GB	6111238	*	12/2020

*Primary Examiner* — Paula Allen Greene

(57) **CLAIM**

The ornamental design for a wireless earphone, as shown and described.

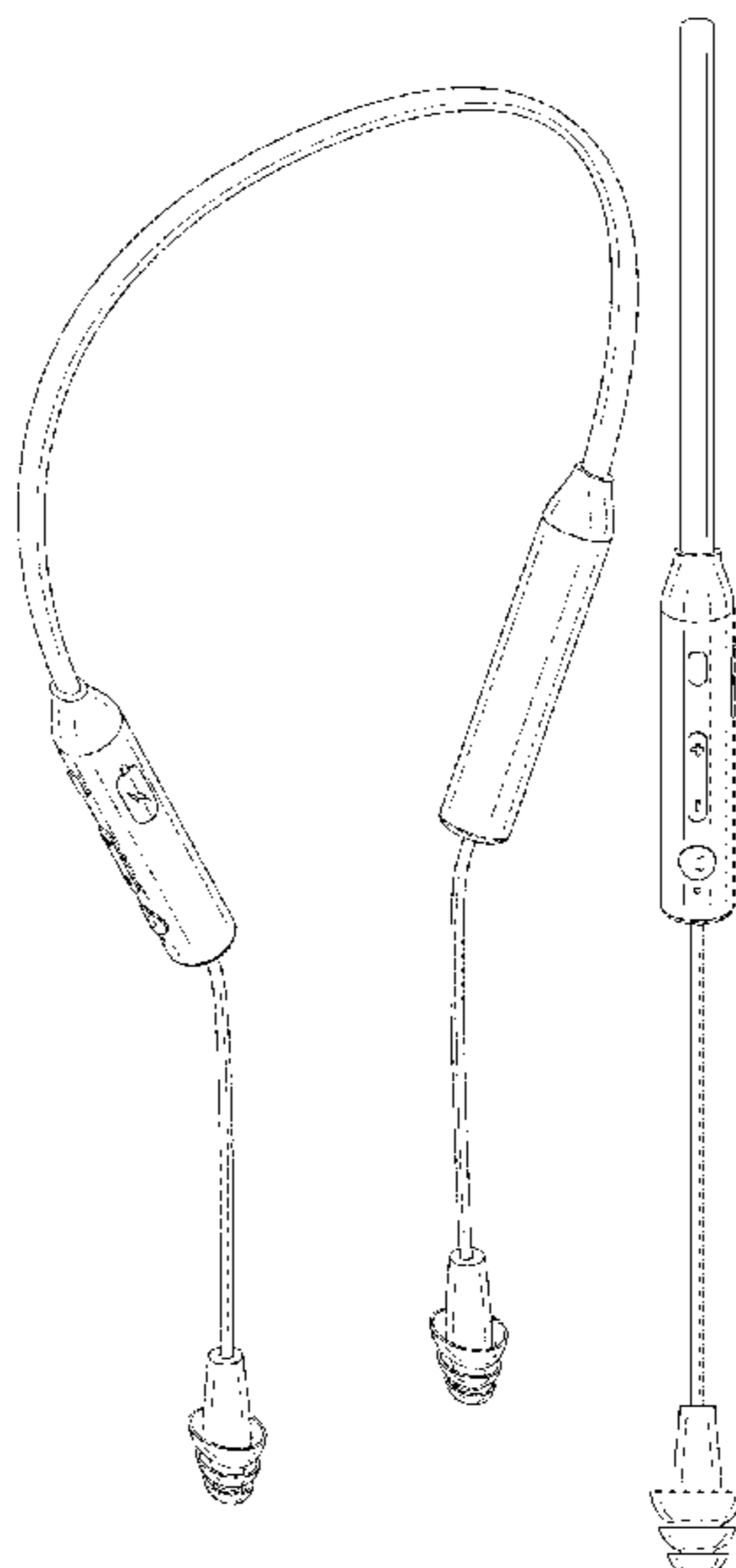
**DESCRIPTION**

FIG. 1 is a front, left side, top perspective view of a wireless earphone showing my new design;  
 FIG. 2 is a front elevational view thereof;  
 FIG. 3 is a rear elevational view thereof;  
 FIG. 4 is a left side elevational view thereof;  
 FIG. 5 is a right side elevational view thereof;  
 FIG. 6 is a top plan view thereof; and,  
 FIG. 7 is a bottom plan view thereof.  
 The broken lines depict portions of the wireless earphone that form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**

(56) **References Cited**  
U.S. PATENT DOCUMENTS

D220,723 S *	5/1971	Abbo	.....	D14/197
D253,723 S *	12/1979	Leight	.....	128/864
4,867,149 A *	9/1989	Falco	.....	A61F 11/08
				128/864
D316,550 S *	4/1991	Sogabe	.....	D14/168
D318,670 S *	7/1991	Taniguchi	.....	D14/205
D344,524 S *	2/1994	Taniguchi	.....	D14/205
6,010,216 A *	1/2000	Jesiek	.....	H04B 1/385
				351/158
6,148,821 A *	11/2000	Falco	.....	H04R 1/1016
				128/864
7,107,993 B2 *	9/2006	Magidson	.....	A61F 11/08
				128/857



(56)

References Cited

U.S. PATENT DOCUMENTS

D772,845 S	*	11/2016	Lim	.....	D14/205
D774,017 S	*	12/2016	Ahn	.....	D14/205
D776,636 S	*	1/2017	Lim	.....	D14/205
D777,136 S	*	1/2017	Erbeus	.....	D14/205
D777,137 S		1/2017	Erbeus	.....	
D781,815 S	*	3/2017	Choi	.....	D14/205
D781,816 S	*	3/2017	Choe	.....	D14/205
D793,357 S	*	8/2017	Afshar	.....	D14/205
D793,358 S	*	8/2017	Lee	.....	D14/205
D795,836 S	*	8/2017	Liden	.....	D14/205
D800,088 S	*	10/2017	Kim	.....	D14/205
D800,089 S	*	10/2017	Park	.....	D14/205
D800,090 S	*	10/2017	Ahn	.....	D14/205
D802,557 S	*	11/2017	Kumano	.....	D14/205
D802,558 S	*	11/2017	Kim	.....	D14/205
D803,186 S	*	11/2017	Park	.....	D14/205
D810,719 S	*	2/2018	Nagamine	.....	D14/205
D815,068 S	*	4/2018	Huang	.....	D14/223
D816,636 S	*	5/2018	Birger	.....	D14/205
D817,301 S	*	5/2018	Aoyagi	.....	D14/205
D817,920 S		5/2018	Paschke et al.	.....	
D820,811 S	*	6/2018	Kim	.....	D14/205
D820,816 S	*	6/2018	Singh	.....	D14/223
D823,827 S		7/2018	Pourriot et al.	.....	
D823,828 S	*	7/2018	Park	.....	D14/205
D824,361 S	*	7/2018	Park	.....	D14/205
D824,877 S	*	8/2018	Kim	.....	D14/205
D826,898 S	*	8/2018	Kim	.....	D14/205
D826,899 S	*	8/2018	Ahn	.....	D14/205
D830,335 S	*	10/2018	Shin	.....	D14/205
D830,341 S	*	10/2018	Yokozeki	.....	D14/210
D830,994 S	*	10/2018	Lee	.....	D14/205
D830,995 S	*	10/2018	Shin	.....	D14/205
D830,996 S	*	10/2018	Park	.....	D14/205
D830,997 S	*	10/2018	Park	.....	D14/205
D830,999 S	*	10/2018	Kim	.....	D14/205
D831,611 S	*	10/2018	Kim	.....	D14/205
D832,815 S	*	11/2018	Park	.....	D14/205
D832,816 S	*	11/2018	Park	.....	D14/205
D832,817 S	*	11/2018	Park	.....	D14/205
D832,819 S	*	11/2018	Park	.....	D14/205
D837,184 S	*	1/2019	Zhu	.....	D14/205
D840,968 S		2/2019	Shin et al.	.....	
D840,972 S	*	2/2019	Luo	.....	D14/205
D842,838 S	*	3/2019	Li	.....	D14/205
D843,968 S	*	3/2019	Li	.....	D14/205
D844,585 S	*	4/2019	Sogabe	.....	D14/205
D845,270 S	*	4/2019	Weber	.....	D14/205
D858,480 S	*	9/2019	Weber	.....	D14/205
D859,358 S	*	9/2019	Wang	.....	D14/205
D870,067 S	*	12/2019	Hu	.....	D14/205
D873,790 S	*	1/2020	Shin	.....	D14/205
D875,070 S	*	2/2020	Carr	.....	D14/205
D875,712 S	*	2/2020	Park	.....	D14/205
D876,386 S		2/2020	Birger	.....	
D876,390 S	*	2/2020	Kim	.....	D14/205
D876,391 S	*	2/2020	Kim	.....	D14/205
D878,330 S	*	3/2020	Lee	.....	D14/205
D879,743 S	*	3/2020	Lee	.....	D14/205
D890,121 S	*	7/2020	Tsubone	.....	D14/205
D890,126 S	*	7/2020	Lee	.....	D14/205
D890,717 S	*	7/2020	Lee	.....	D14/205
D890,718 S	*	7/2020	Lee	.....	D14/205
D896,781 S	*	9/2020	Reimann	.....	D14/205
D907,599 S	*	1/2021	Dryden	.....	D14/205
D909,990 S	*	2/2021	Birger	.....	D14/205
D911,305 S	*	2/2021	Yook	.....	D14/205
D914,634 S	*	3/2021	Kelley	.....	D14/205
D920,951 S	*	6/2021	Dryden	.....	D14/205
2016/0373849 A1	*	12/2016	Stoch	.....	A44C 15/005
2018/0062418 A1	*	3/2018	Cheon	.....	H02J 7/025
2018/0070165 A1	*	3/2018	Hatfield	.....	H04R 1/1016
2018/0184186 A1	*	6/2018	Kang	.....	F21V 5/002
2018/0199128 A1	*	7/2018	Chiu	.....	H04R 1/1033
2019/0313177 A1	*	10/2019	Shiang	.....	H04R 1/1025
2021/0152916 A1	*	5/2021	Kohler	.....	H04R 1/1025

\* cited by examiner

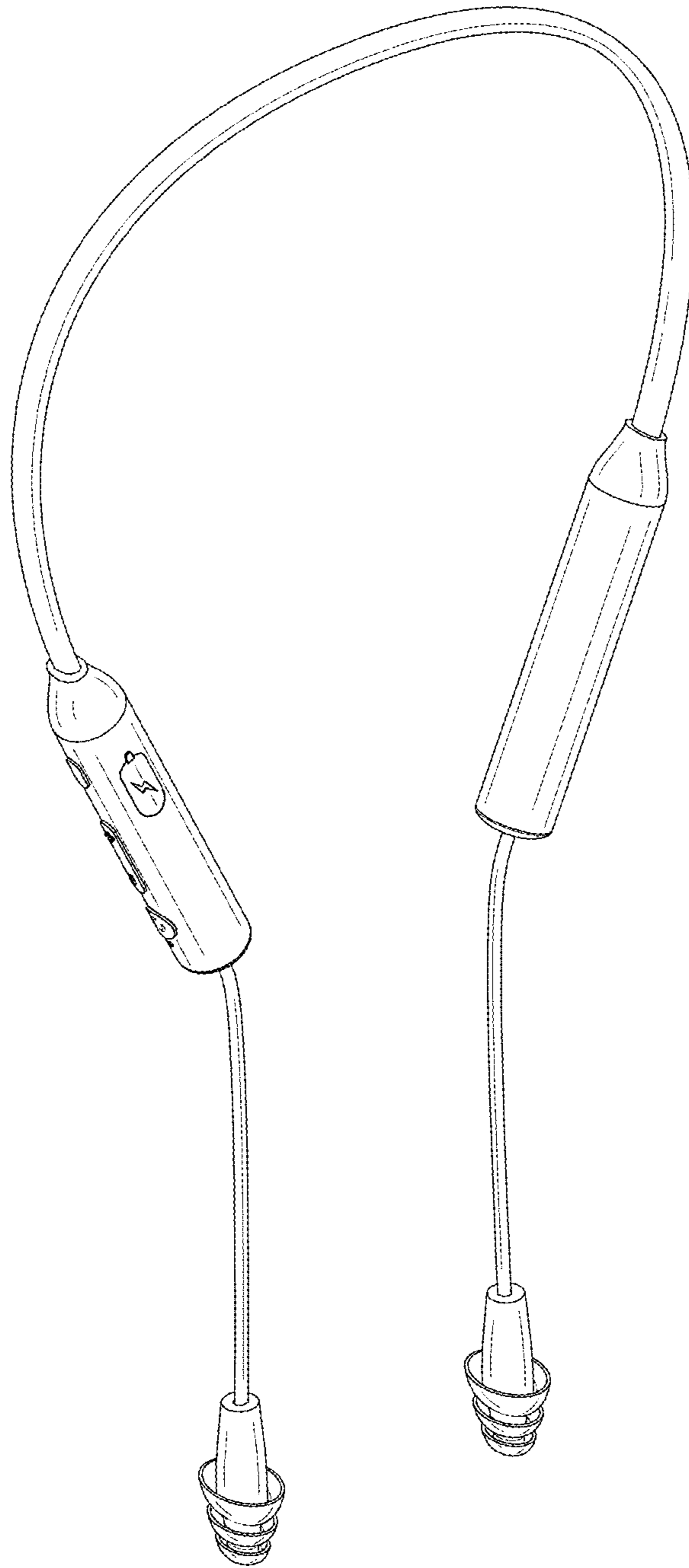


FIG.1

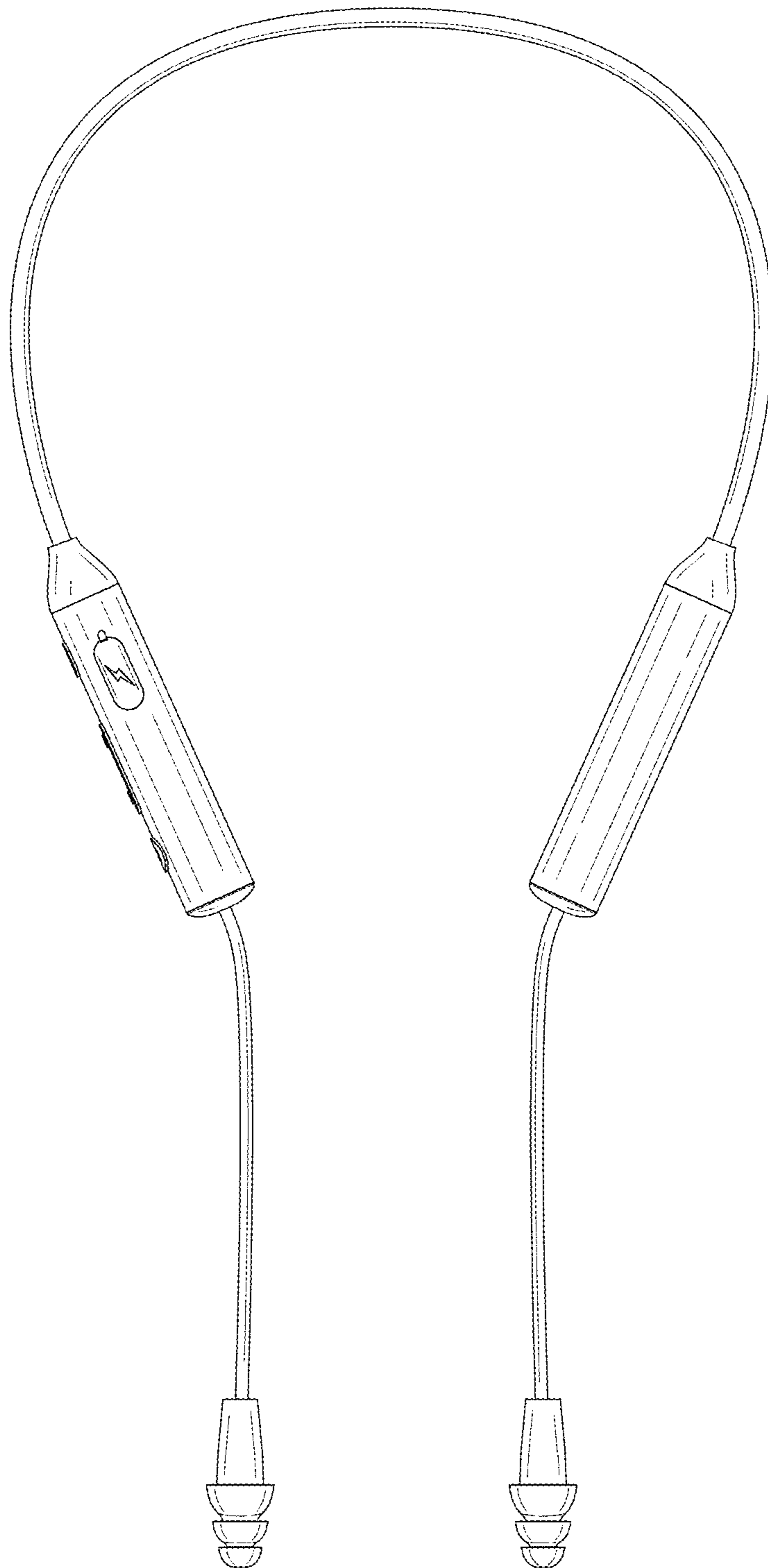


FIG. 2

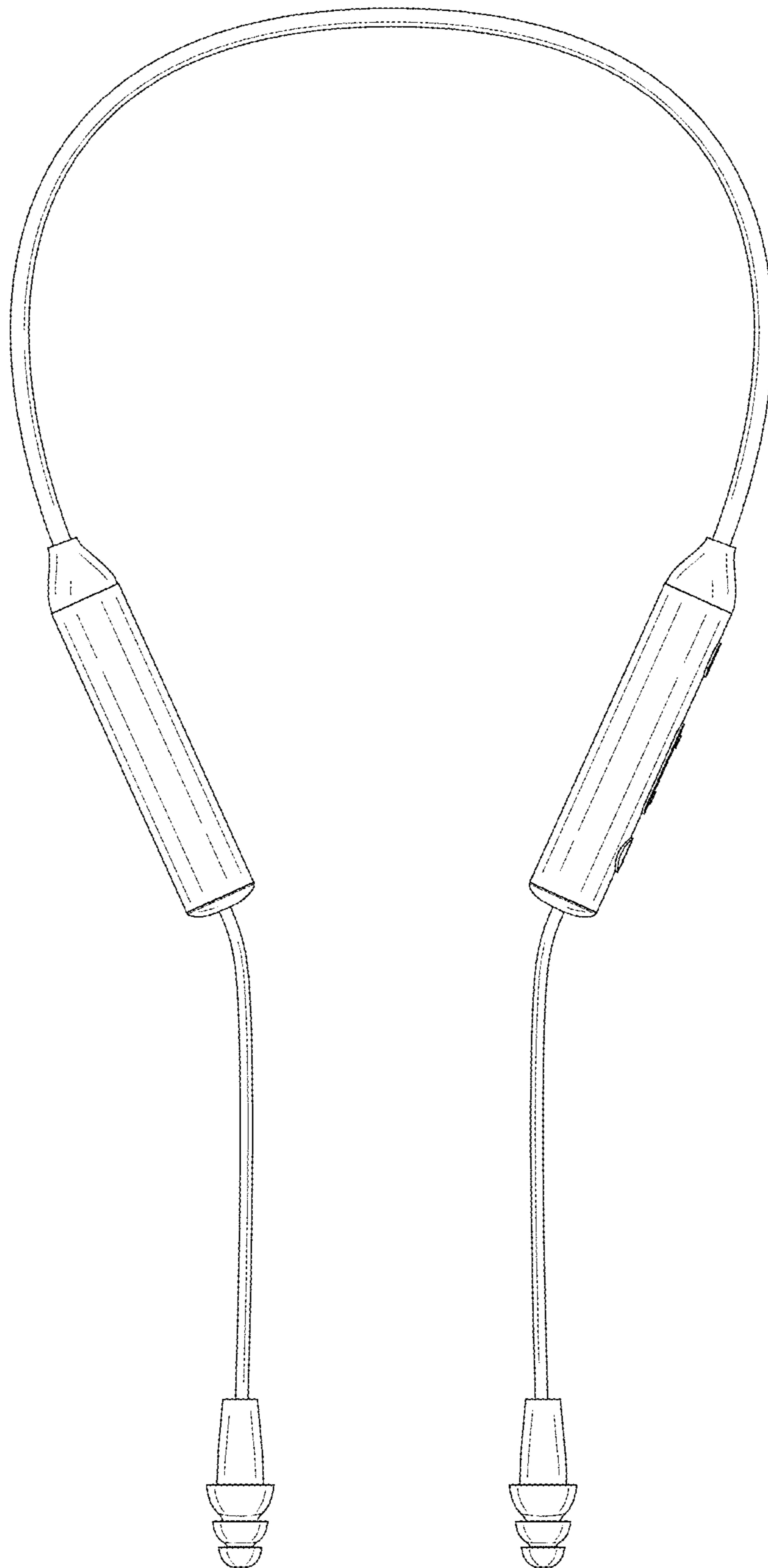


FIG.3

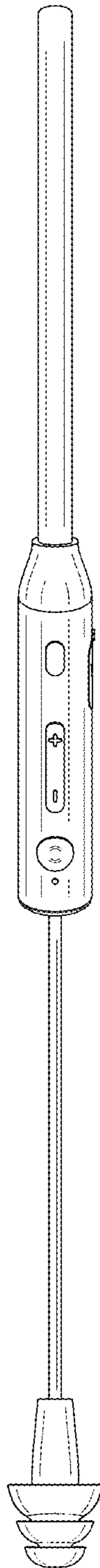


FIG.4

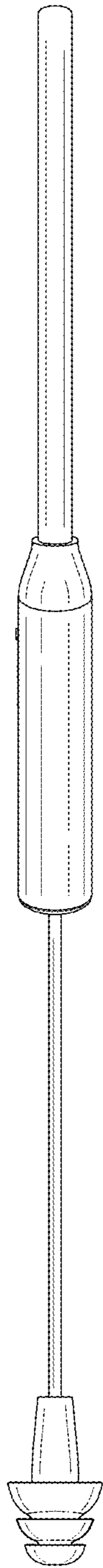


FIG.5

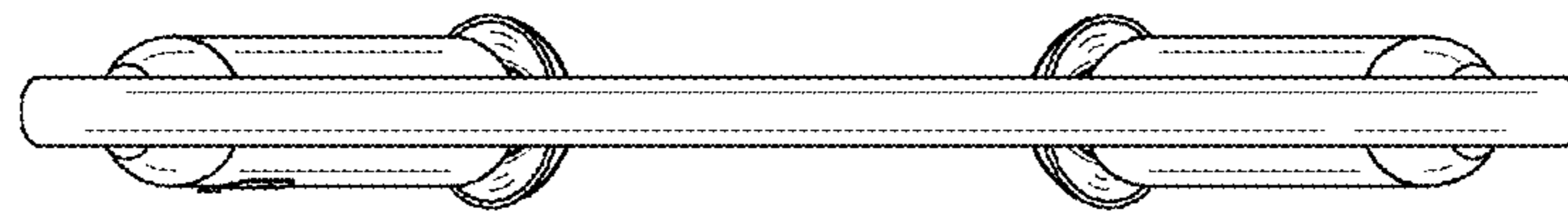


FIG.6



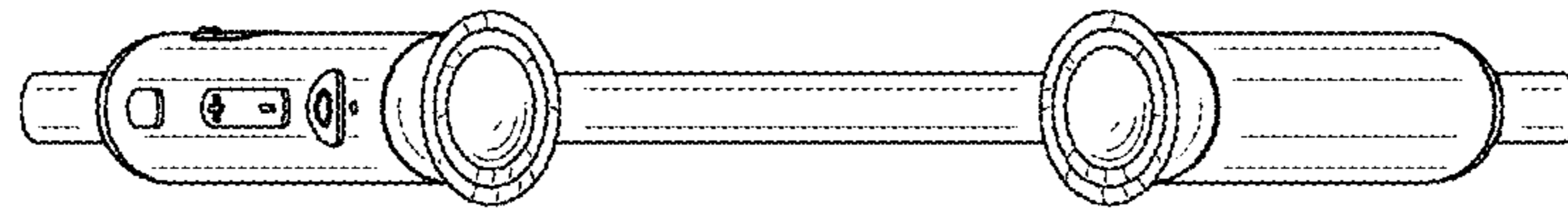


FIG.7