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

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(54) **INTELLIGENT EARPHONE**

(71) Applicant: **Beijing Jin Rui De Lu Technology Co. Ltd.**, Beijing (CN)

(72) Inventors: **Huaming Zhu**, Beijing (CN); **Wei Wu**, Beijing (CN); **Kun Hao**, Beijing (CN)

(73) Assignee: **BEIJING JIN RUI DE LU TECHNOLOGY CO. LTD.**, Beijing (CN)

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

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381/370, 375, 378, 383; 455/90.3, 575.1,
455/569.1; 379/430, 431
CPC H04R 1/1066; H04R 1/1016; H04R 25/00;
H04R 5/033; H04R 5/0335
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,649,551 A * 11/1927 Smith H04R 1/1066
381/374
3,488,457 A * 1/1970 Lahti H04R 1/1008
381/371
D254,183 S * 2/1980 Doodson D14/205
D328,074 S * 7/1992 Yamazaki D14/205
D328,461 S * 8/1992 Daido D14/205
6,056,082 A * 5/2000 Lindgren A61F 11/12
128/864
6,081,604 A * 6/2000 Hikichi H04R 1/083
381/124

D431,550 S * 10/2000 Yoneda D14/205
D444,140 S * 6/2001 Ishibashi D14/192
6,584,984 B2 * 7/2003 Kelly A45D 8/36
132/212
6,629,579 B1 * 10/2003 Hasegawa H04R 1/1066
181/129
6,654,966 B2 * 12/2003 Rolla H04R 1/1066
2/209
D504,414 S * 4/2005 Yoshida D14/192
6,980,165 B2 * 12/2005 Yuasa H01Q 1/273
343/718
7,072,483 B2 * 7/2006 Lenhard-Backhaus
H04R 1/1066
381/370
D534,155 S * 12/2006 Obata D14/205
D540,301 S * 4/2007 Obata D14/205
D552,077 S * 10/2007 Brunner D14/205
D625,705 S * 10/2010 Ohori D14/205
D628,554 S * 12/2010 Tedja D14/205
D632,668 S * 2/2011 Brunner D14/205

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Primary Examiner — Paula Allen Greene

(74) *Attorney, Agent, or Firm* — Gokalp Bayramoglu

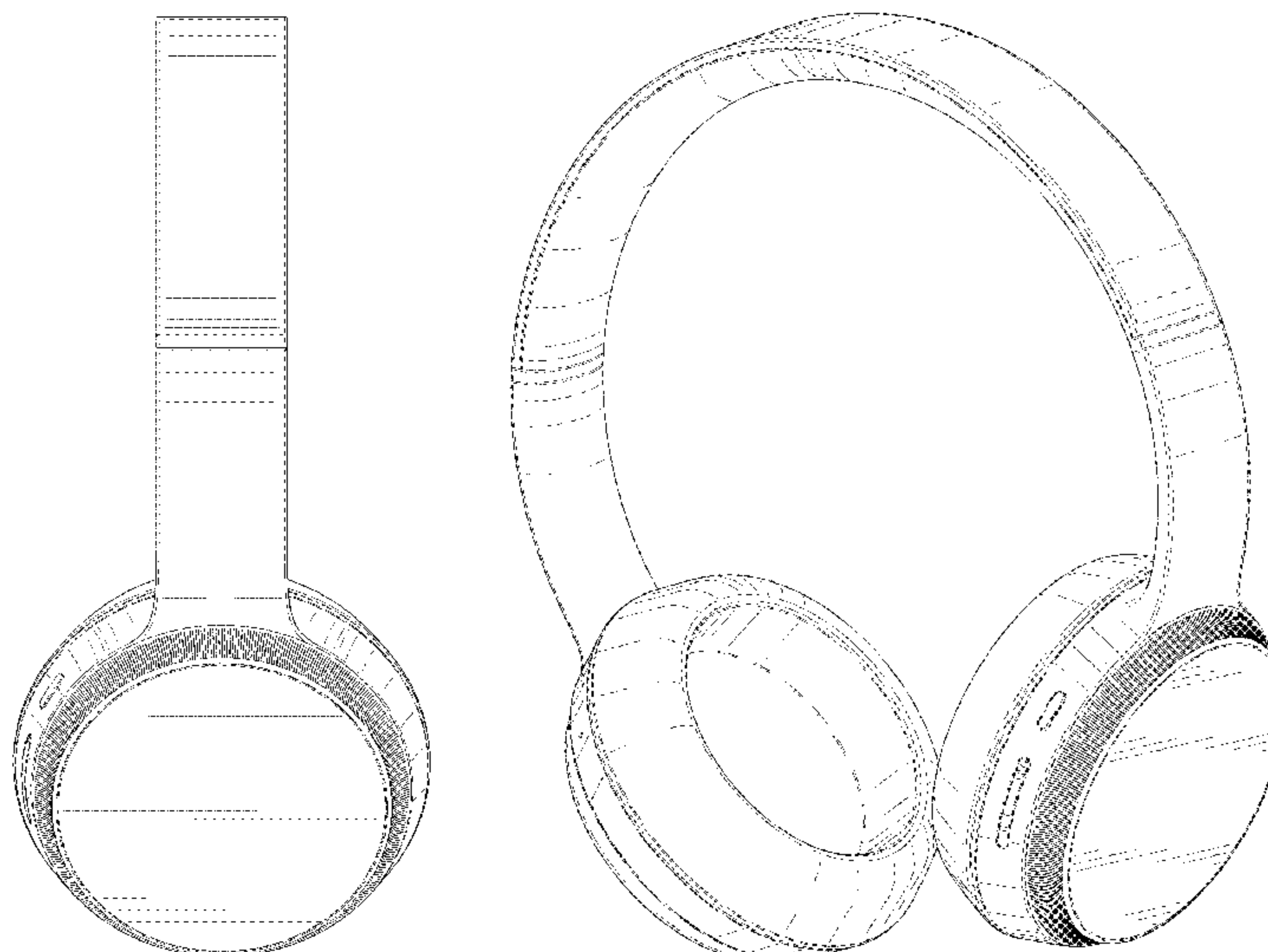
(57) **CLAIM**

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

DESCRIPTION

FIG. 1 is a front view of the intelligent earphone showing our new design;
FIG. 2 is a left side view thereof;
FIG. 3 is a right side view thereof;
FIG. 4 is a top view thereof;
FIG. 5 is a bottom view thereof;
FIG. 6 is a back view thereof;
FIG. 7 is a perspective view thereof; and,
FIG. 8 is another perspective view thereof.
The broken lines in the drawings represent unclaimed portions of the design, which form no part of the claim.

1 Claim, 8 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D635,959	S	*	4/2011	Hutchieson	D14/205
D652,406	S	*	1/2012	Lee	D14/205
8,098,872	B2	*	1/2012	Chang	H04R 1/1075
					381/370
D657,344	S	*	4/2012	Brunner	D14/205
D657,776	S	*	4/2012	Lee	D14/205
D660,823	S	*	5/2012	Hardi	D14/205
D660,824	S	*	5/2012	Hardi	D14/205
D662,080	S	*	6/2012	Carr	D14/205
D663,716	S	*	7/2012	Hardi	D14/205
D664,117	S	*	7/2012	Tappeiner	D14/205
D671,914	S	*	12/2012	Lee	D14/205
D673,136	S	*	12/2012	Kelly	D14/205
D673,520	S	*	1/2013	Tan	D14/205
D675,595	S	*	2/2013	Cho	D14/205
D677,648	S	*	3/2013	Lee	D14/206
D678,860	S	*	3/2013	Hagelin	D14/205
D683,329	S	*	5/2013	Hagelin	D14/205
D689,843	S	*	9/2013	Lee	D14/205
D691,984	S	*	10/2013	Wang	D14/205
D693,791	S	*	11/2013	Troy	D14/205
D696,228	S	*	12/2013	Miyake	D14/205
D699,702	S	*	2/2014	Chen	D14/205
D715,255	S	*	10/2014	Nunez	D14/205
D722,998	S	*	2/2015	Sancho	D14/205
D731,457	S	*	6/2015	Brunner	D14/205
D794,602	S	*	8/2017	Riggs	D14/205
D818,454	S	*	5/2018	Zhu	D14/205

* cited by examiner



Figure 1

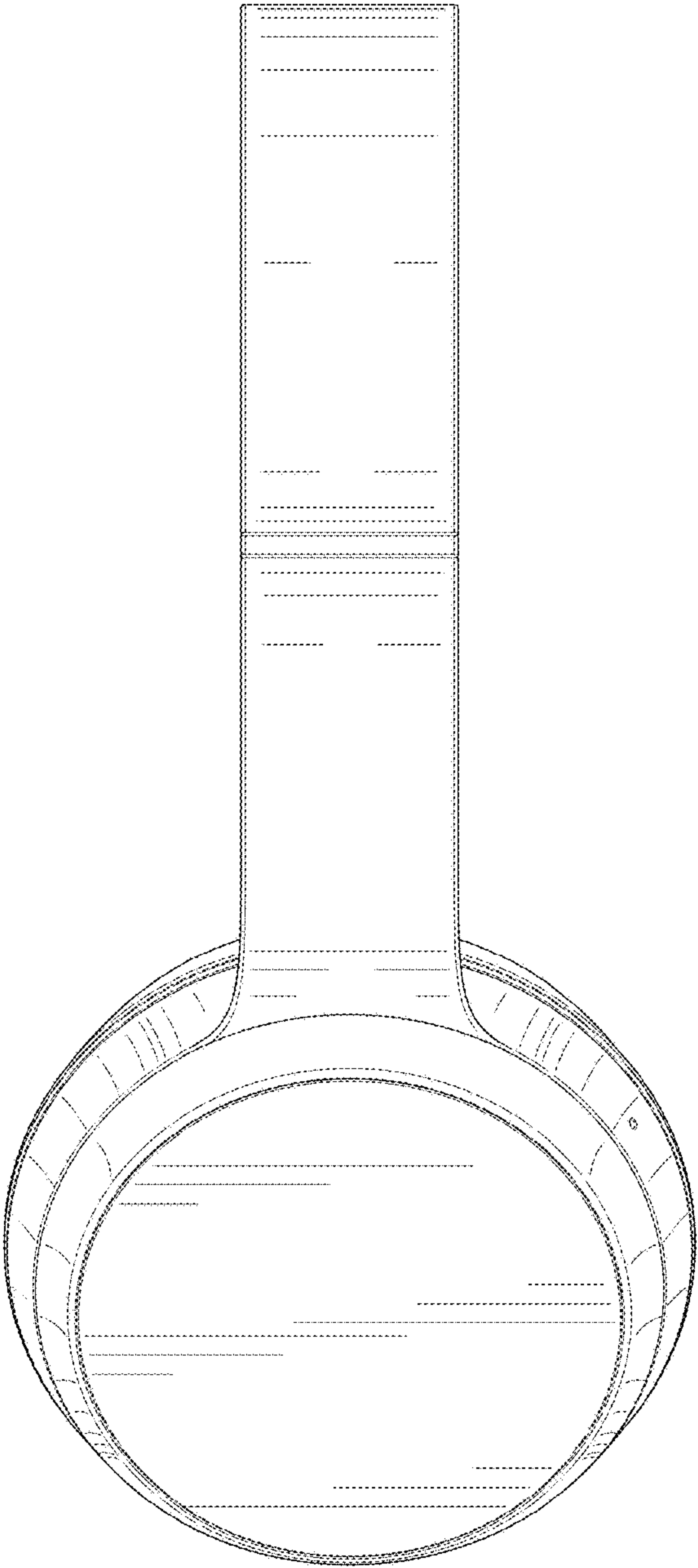


Figure 2

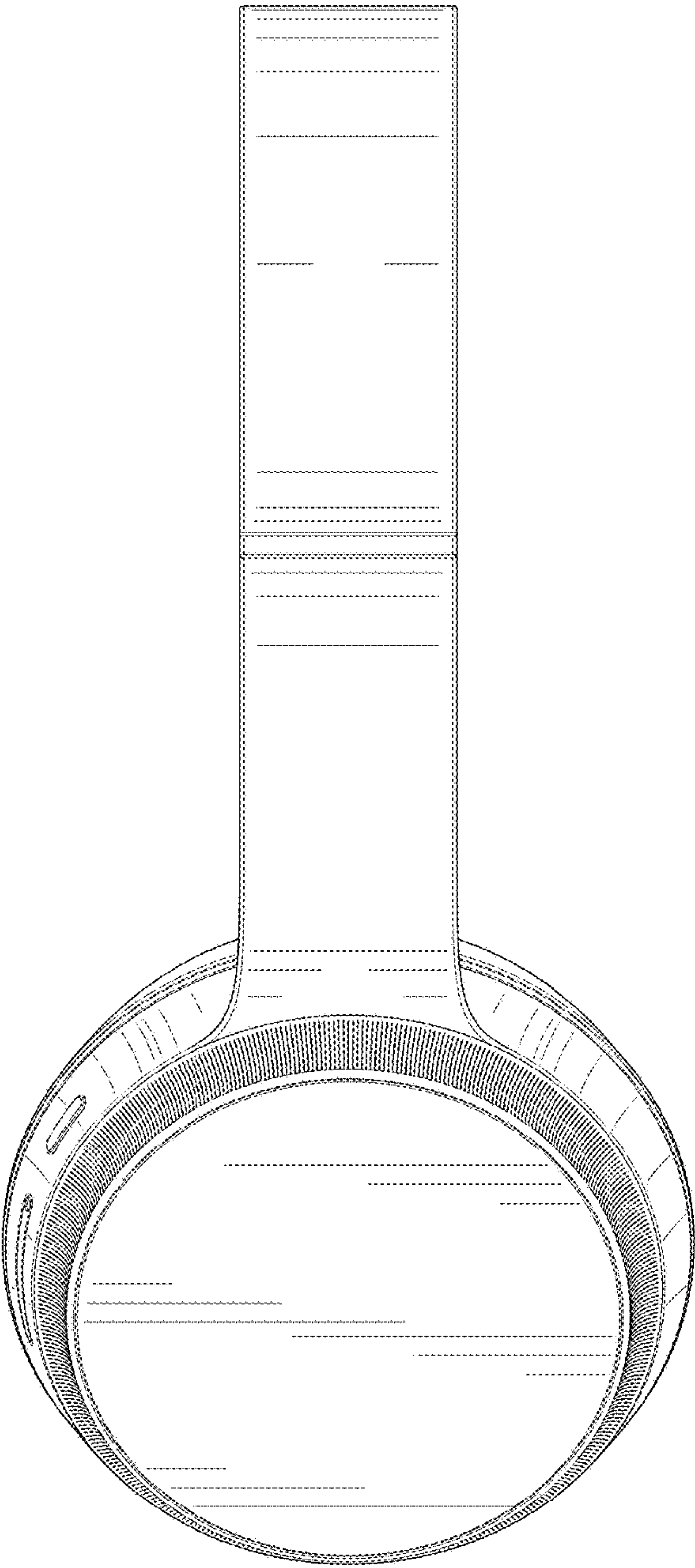


Figure 3

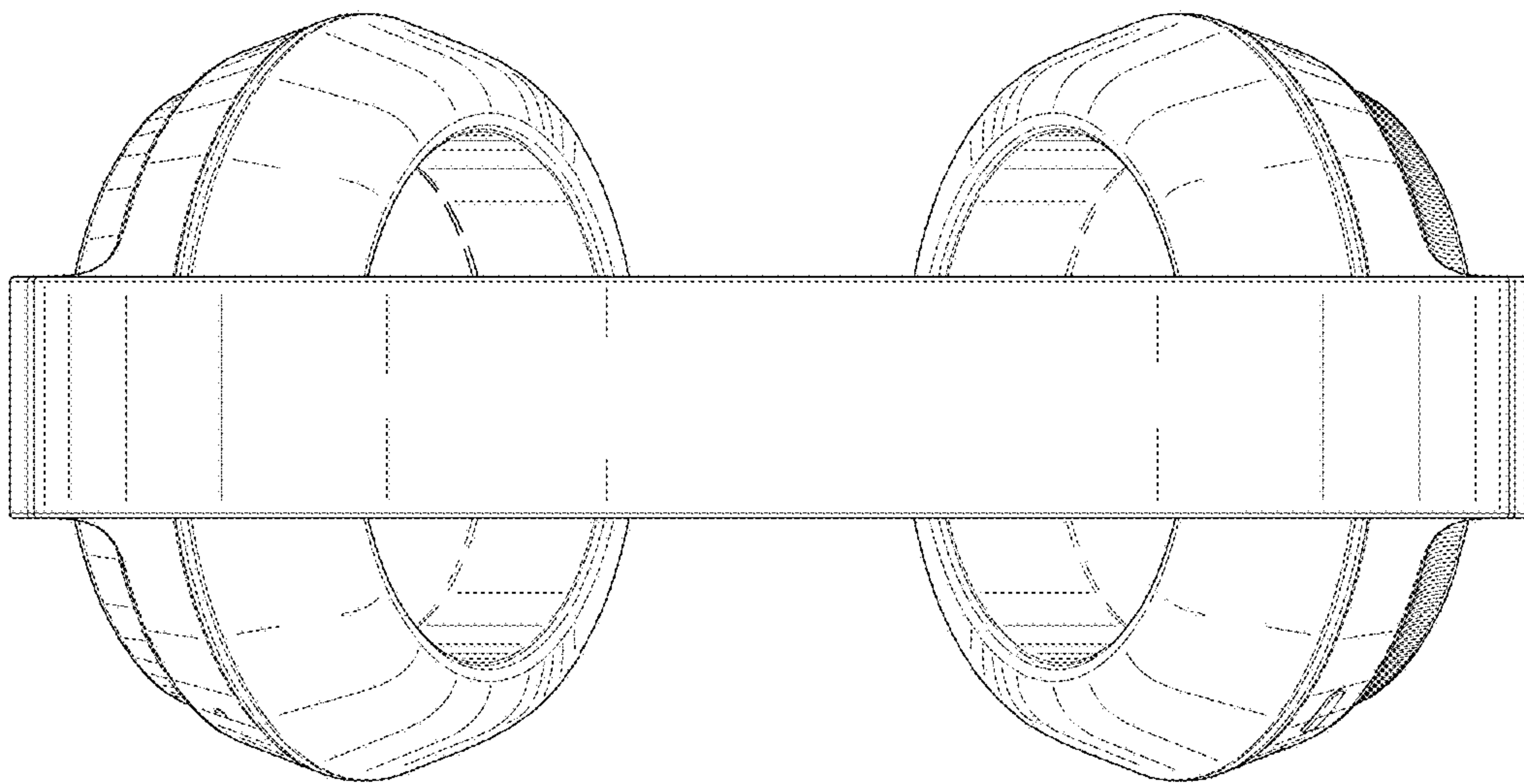


Figure 4

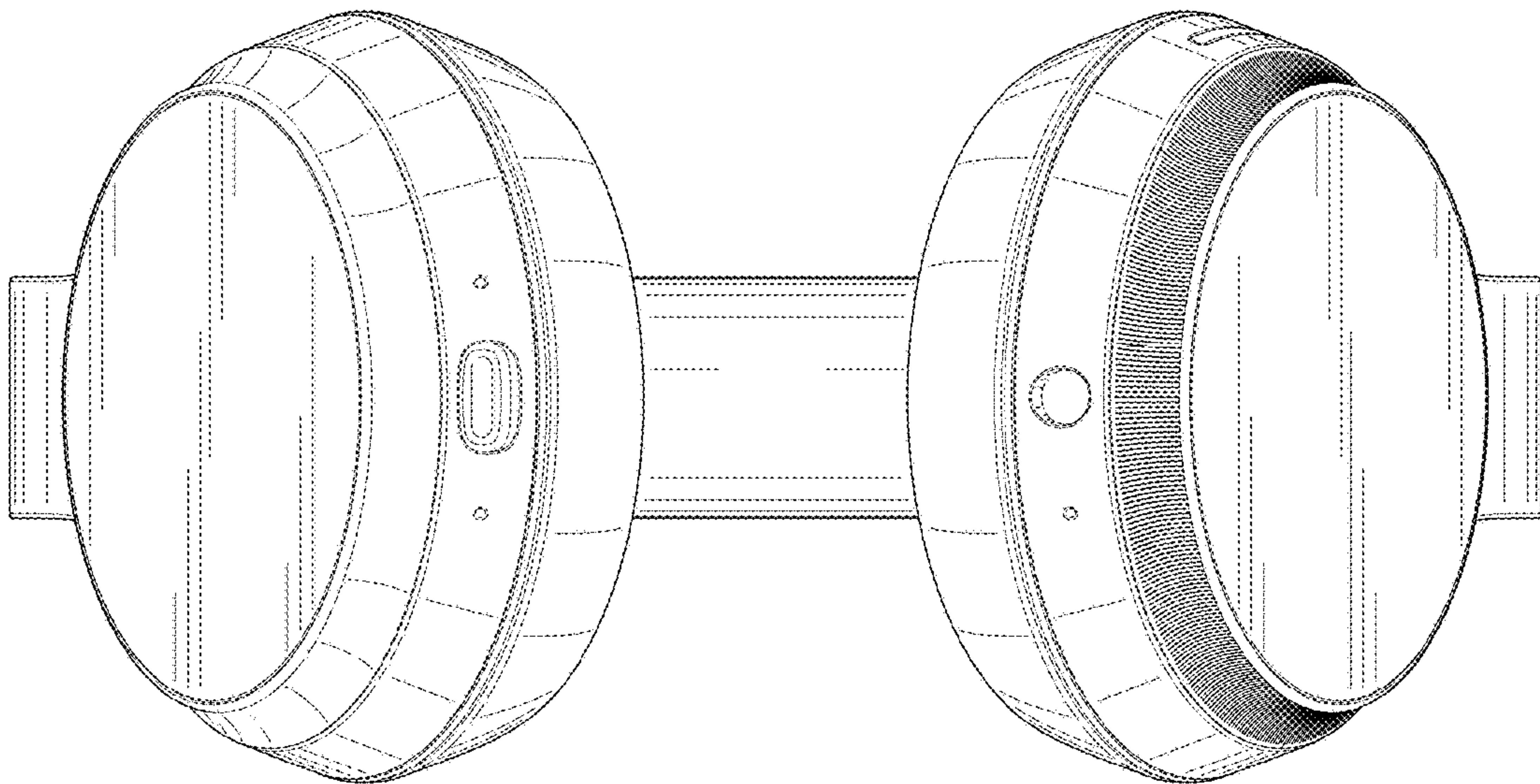


Figure 5



Figure 6



Figure 7

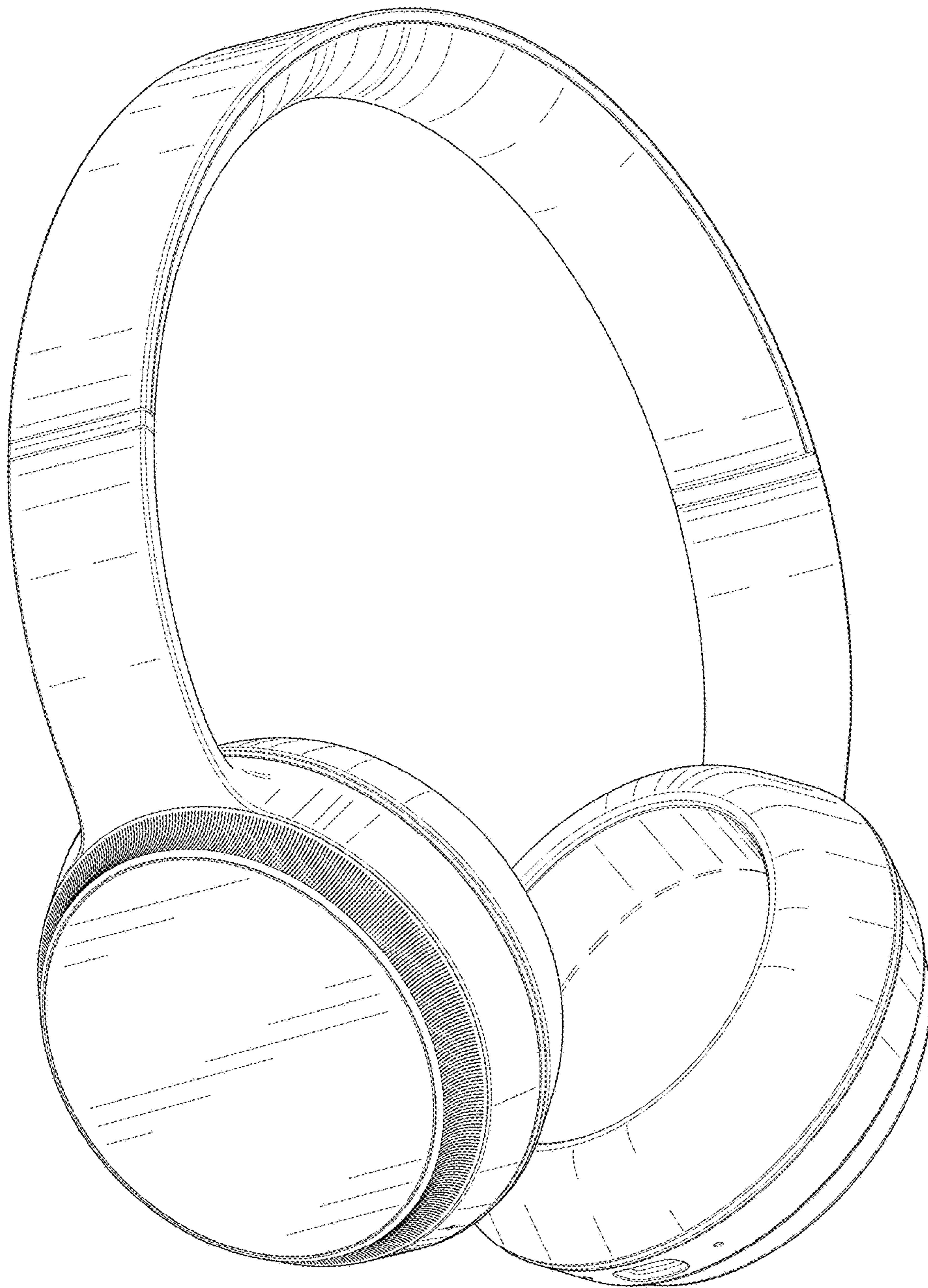


Figure 8