



US0D1050074S

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

(10) **Patent No.: US D1,050,074 S**
(45) **Date of Patent: ** Nov. 5, 2024**

(54) **EARPHONE**

(71) Applicant: **Beijun Liu**, Guangdong (CN)

(72) Inventor: **Beijun Liu**, Guangdong (CN)

(73) Assignee: **ZhongTian DingSheng (Shenzhen) Industry**, Shenzhen (CN)

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

(21) Appl. No.: **29/882,851**

(22) Filed: **Jan. 19, 2023**

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

(52) **U.S. Cl.**
USPC **D14/206**; D14/226

(58) **Field of Classification Search**
USPC D14/206, 226, 205, 225; D29/112;
2/209; 362/105
CPC F21V 33/00; H04R 25/00; H04R 25/02;
H04R 1/1066; H04R 1/1016; H04R
5/033; H04R 5/0335; H04R 1/10; H04R
19/04; G02B 27/01
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D302,429 S * 7/1989 Leer D14/206
7,114,821 B2 * 10/2006 Currie F21S 8/035
362/101
D576,604 S * 9/2008 Suzuki D14/205
D589,492 S * 3/2009 Mistry D14/205
D613,266 S * 4/2010 Barry D14/205
D687,409 S * 8/2013 Lee D14/205
D689,464 S * 9/2013 Bonahoom D14/206
D691,111 S * 10/2013 Lee D14/206
D722,996 S * 2/2015 Doty D14/205
D733,677 S * 7/2015 Ling D14/206
D741,286 S * 10/2015 Brennwald D14/205
D788,071 S * 5/2017 Logan D14/205
D820,813 S * 6/2018 Sharp D14/206

D824,362 S * 7/2018 Probst D14/206
D851,064 S * 6/2019 Wang D14/206
D853,988 S * 7/2019 Wang D14/206
D856,594 S * 8/2019 Wilson D29/112
D856,971 S * 8/2019 Tang D14/206
D870,696 S * 12/2019 Deng D14/206
D870,698 S * 12/2019 Long D14/206
D880,450 S * 4/2020 Liu D14/206
D890,131 S * 7/2020 Shen D14/206
D898,869 S * 10/2020 Lucas D23/226
D916,681 S * 4/2021 He D14/206
(Continued)

FOREIGN PATENT DOCUMENTS

CN 306885678 * 10/2021
CN 306941733 * 11/2021
(Continued)

Primary Examiner — Paula Allen Greene
(74) Attorney, Agent, or Firm — Justin Lampel

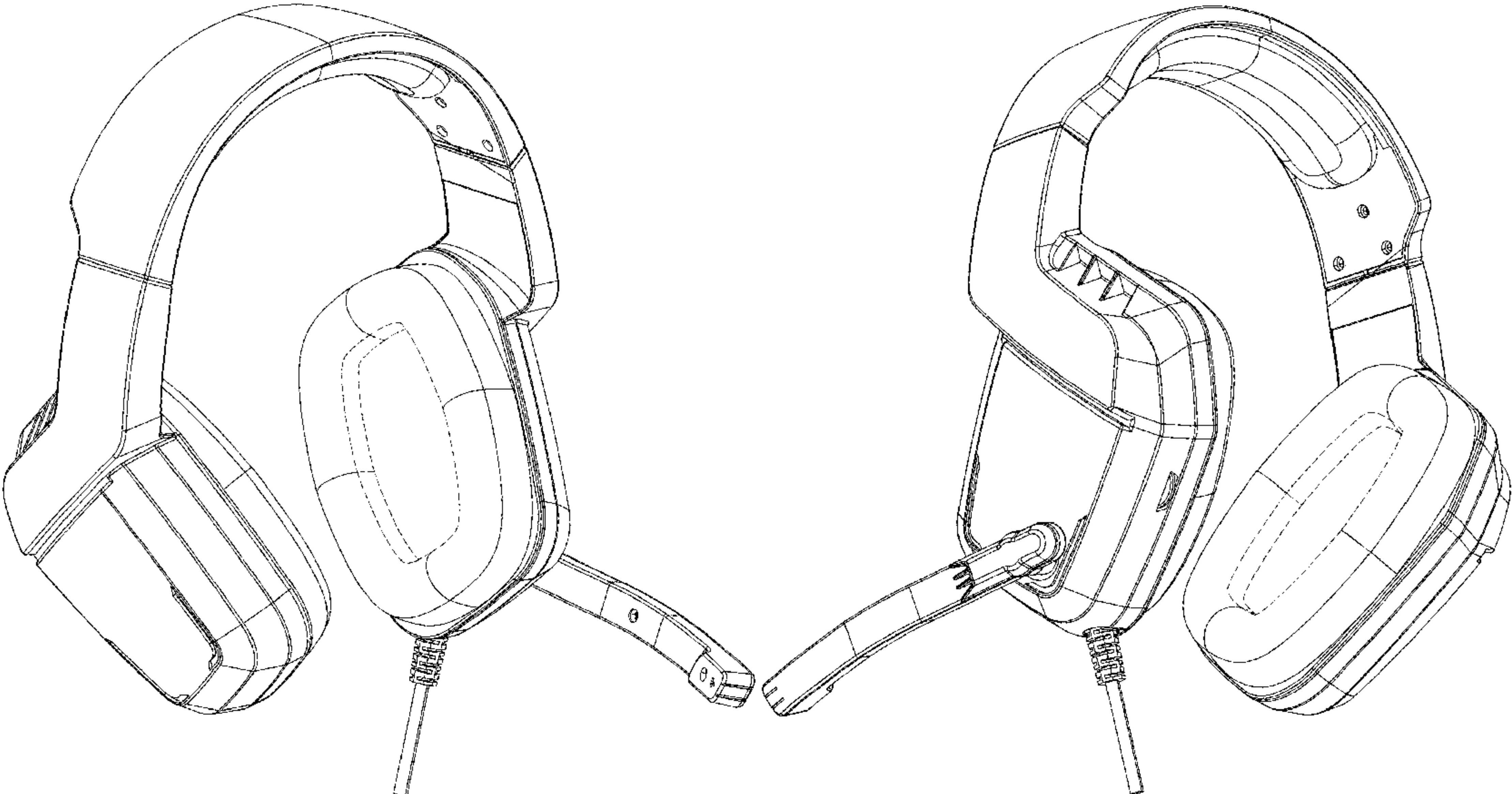
(57) **CLAIM**

The ornamental design for a earphone as shown and described.

DESCRIPTION

FIG. 1 is a front elevational view of an earphone showing my new design;
FIG. 2 is a rear elevational view thereof;
FIG. 3 is a left side view thereof;
FIG. 4 is a right side view thereof;
FIG. 5 is a top plan view thereof;
FIG. 6 is a bottom plan view thereof;
FIG. 7 is a perspective view of a earphone showing my new design; and,
FIG. 8 is a perspective view of a earphone showing my new design.
The broken lines depict portions of the earphones that forms no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D929,364	S	*	8/2021	Futo	.....	D14/206
D931,831	S	*	9/2021	Liu	.....	D14/206
D935,442	S	*	11/2021	Liu	.....	D14/206
D940,100	S	*	1/2022	Xie	.....	D14/206
D941,803	S	*	1/2022	He	.....	D14/206
D945,394	S	*	3/2022	Zhu	.....	D14/206
D946,551	S	*	3/2022	Liu	.....	D14/205
D947,811	S	*	4/2022	Chen	.....	D14/206
D949,127	S	*	4/2022	Shen	.....	D14/206
D952,601	S	*	5/2022	Chen	.....	D14/206
D953,290	S	*	5/2022	Liu	.....	D14/206
D976,229	S	*	1/2023	Xie	.....	D14/206
D976,230	S	*	1/2023	Chen	.....	D14/206
D991,908	S	*	7/2023	Liu	.....	D14/206
D1,001,772	S	*	10/2023	Xie	.....	D14/206
D1,006,783	S	*	12/2023	Zhao	.....	D14/206
D1,006,786	S	*	12/2023	Zhao	.....	D14/206
D1,013,282	S	*	1/2024	Bos	.....	D29/112
D1,026,858	S	*	5/2024	Xie	.....	D14/206
D1,036,417	S	*	7/2024	Zhao	.....	D14/206
2011/0194721	A1	*	8/2011	Schmidt	.....	H04M 1/05 381/370
2016/0198250	A1	*	7/2016	Pan	.....	H04R 1/1041 381/74
2020/0288234	A1	*	9/2020	Fletcher	.....	H04R 1/1008

FOREIGN PATENT DOCUMENTS

CN	307191723	*	3/2022
EM	008552897-0001	*	5/2021

* cited by examiner

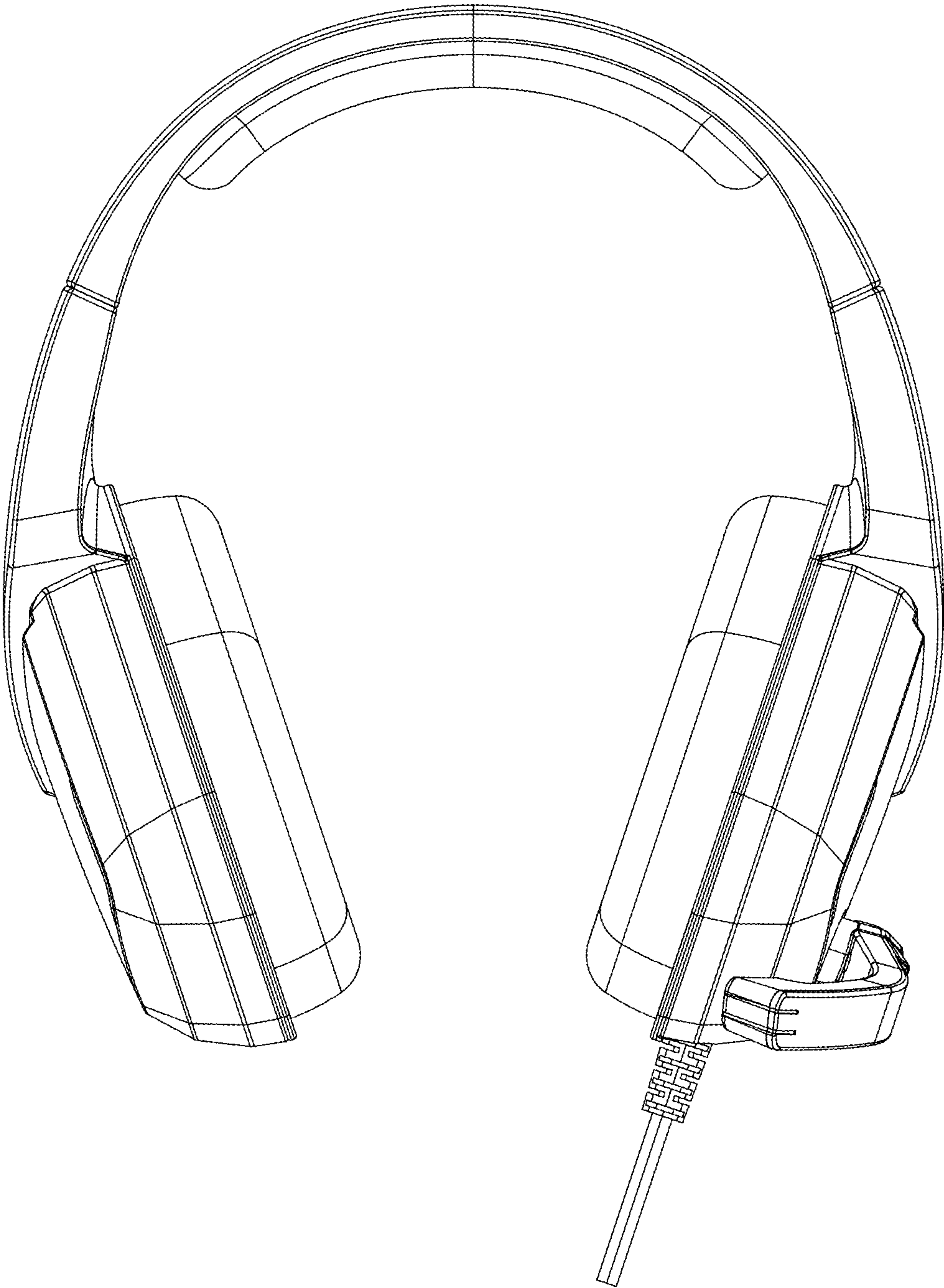


FIG. 1

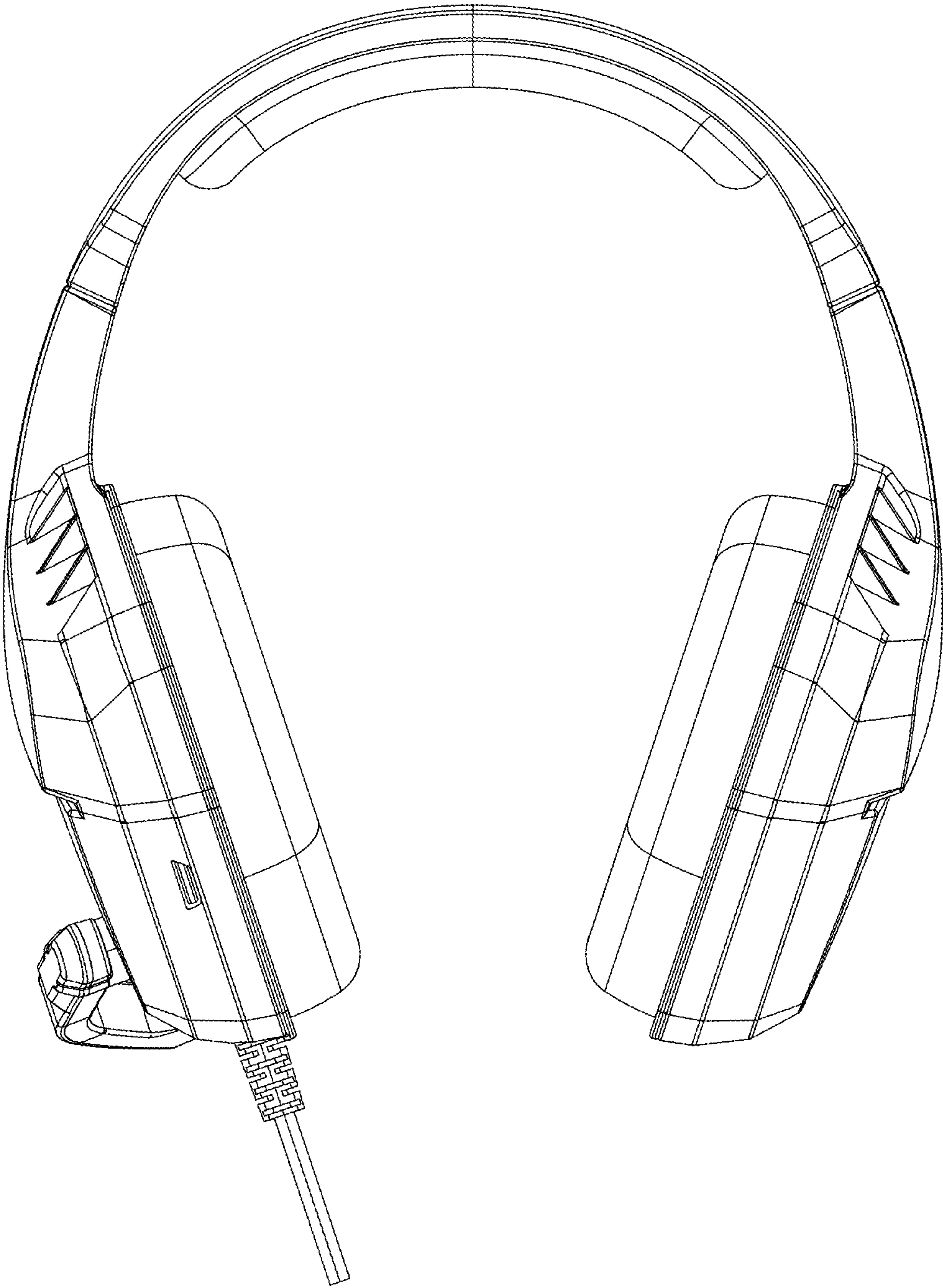


FIG. 2

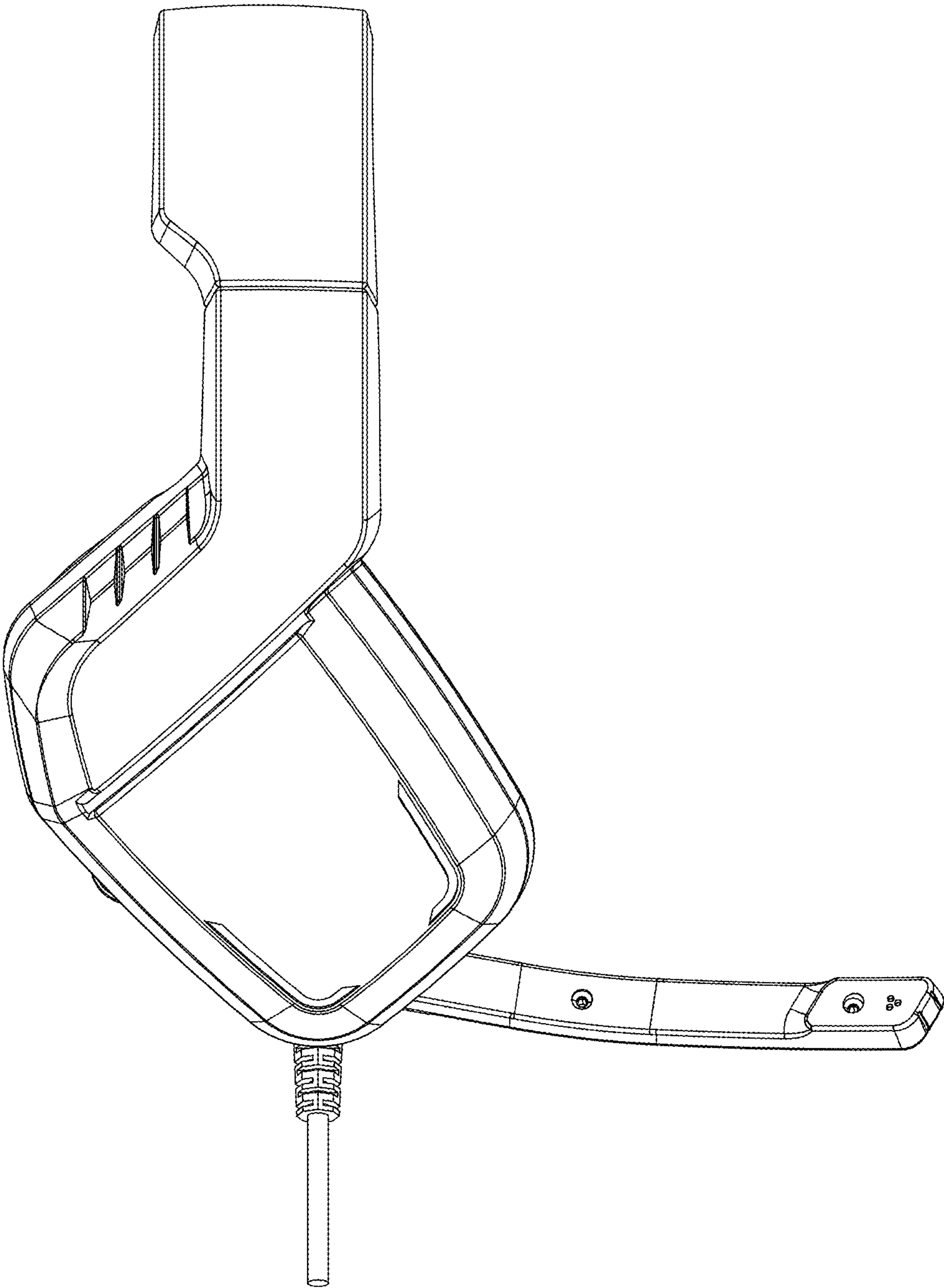


FIG. 3

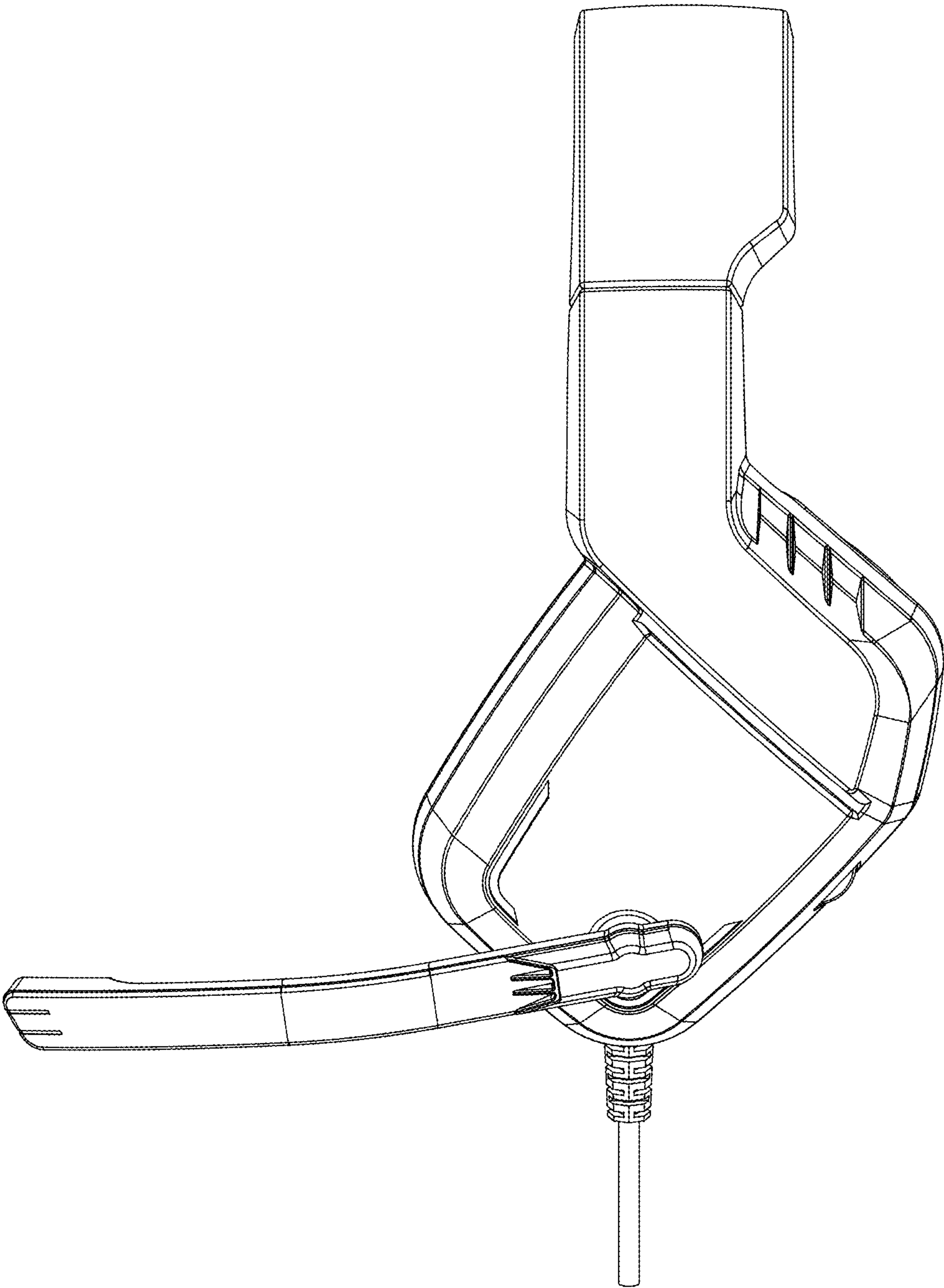


FIG. 4

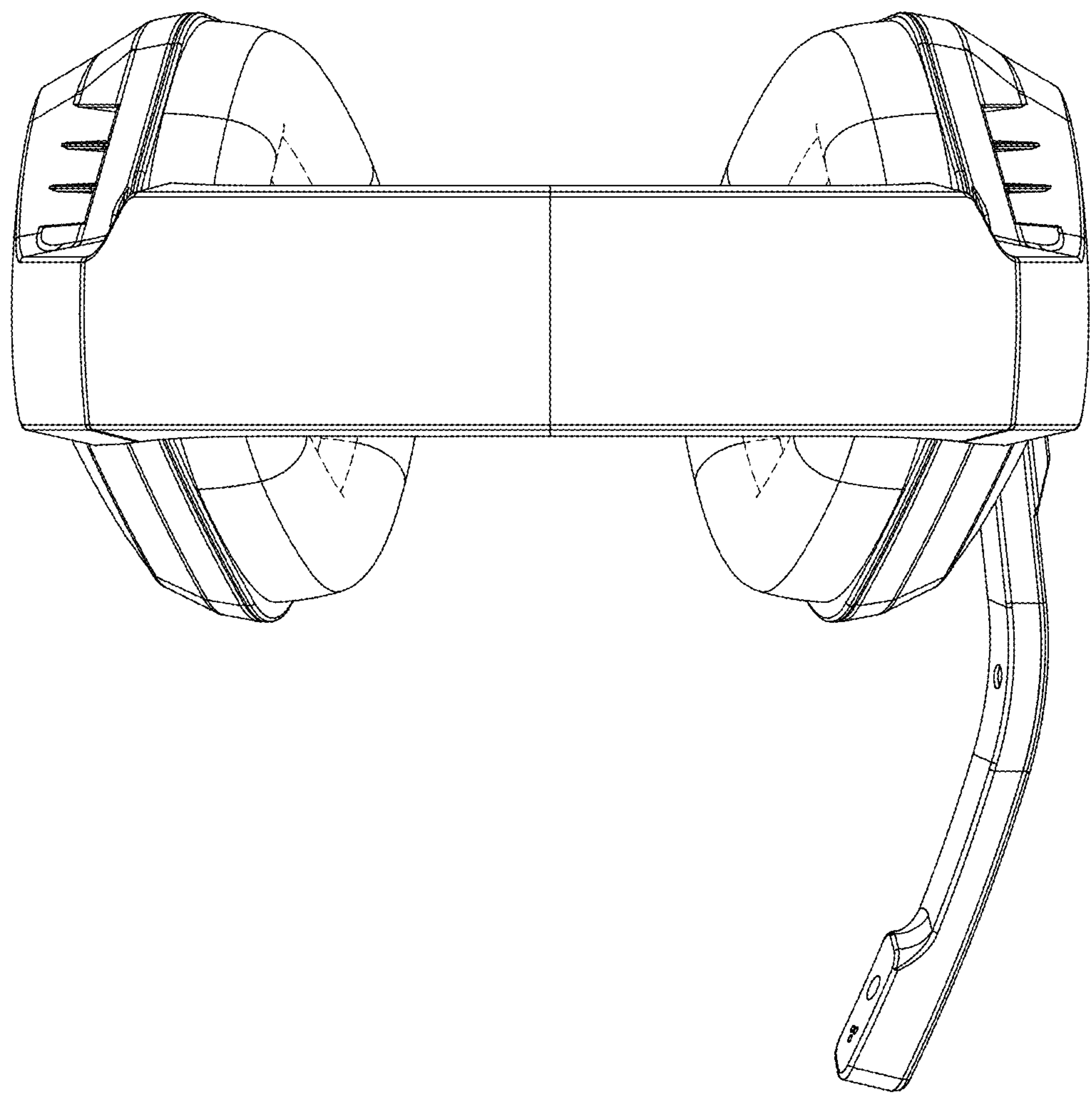


FIG. 5

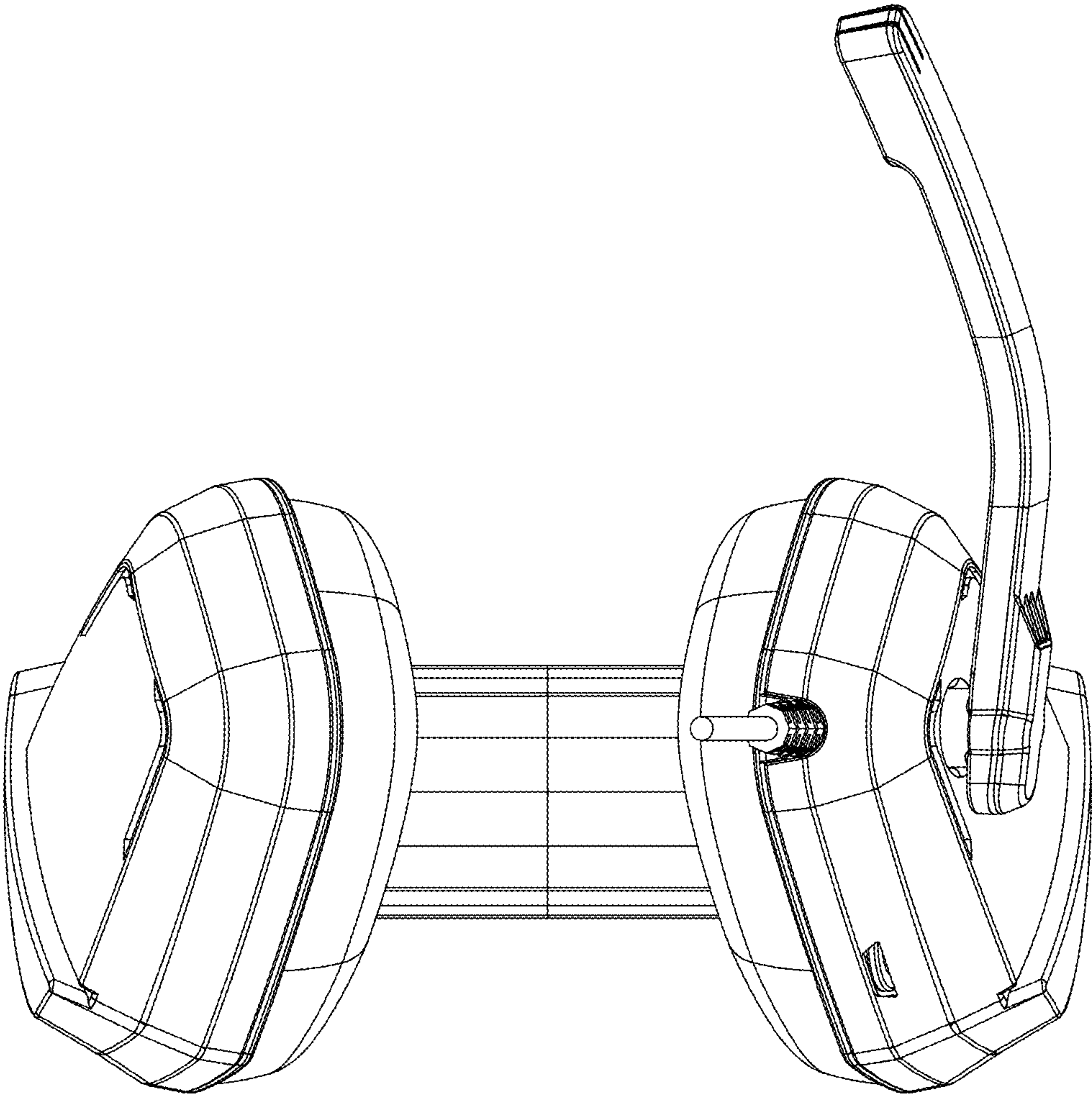


FIG. 6

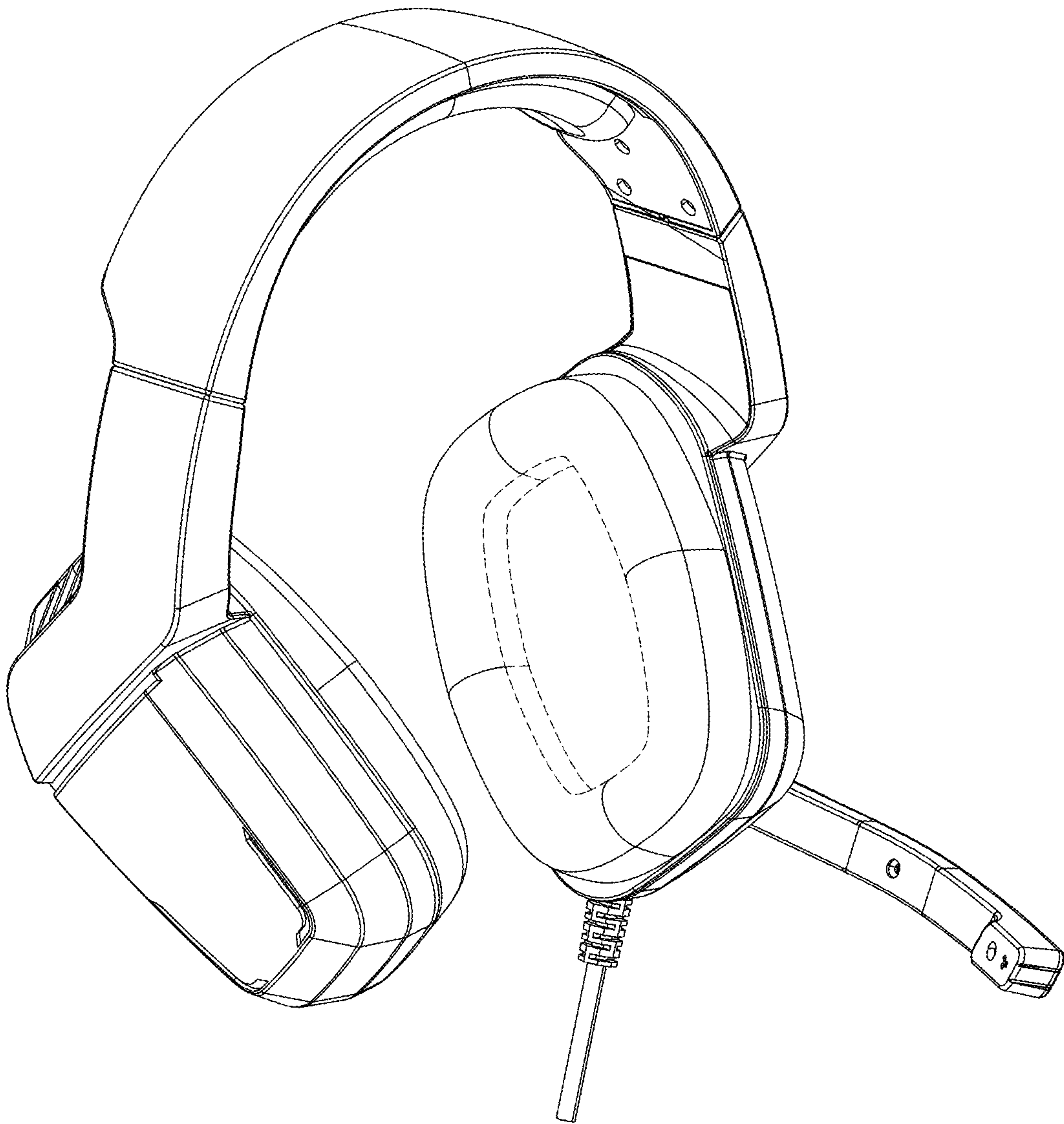


FIG. 7



FIG. 8