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United States Design Patent

Li et al.

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(54) EARPHONE

(71) Applicant: Anker Innovations Technology Co., Ltd., Changsha (CN)

(72) Inventors: Hangyu Li, Shenzhen (CN); Zheng Wei, Shenzhen (CN); Qiang Ma, Shenzhen (CN)

(73) Assignee: Anker Innovations Technology Co., Ltd., Changsha (CN)

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USPC D14/205

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CPC H04R 25/00; H04R 25/02; H04R 1/10; H04R 1/1066; H04R 1/1016; H04R 5/033; H04R 5/0335; H04R 1/105; H04R 1/1083; H04R 1/1091
See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

D637,176 S * 5/2011 Brunner D14/205
D691,583 S * 10/2013 Kitayama D14/205
D692,853 S * 11/2013 Nokuo D14/205
D707,200 S * 6/2014 Yang H04R 1/1066
D708,164 S * 7/2014 Ishikura D14/205

D725,630 S * 3/2015 Nakagawa D14/205
D732,001 S * 6/2015 Licht D14/205
D794,601 S * 8/2017 Riggs D14/205
D842,267 S * 3/2019 Pedersen D14/205
D857,654 S * 8/2019 Levine D14/205
D870,066 S * 12/2019 Lundbäck D14/205
D890,123 S * 7/2020 Yoshimura D14/205
10,721,550 B2 * 7/2020 Bunney G06F 3/165
D900,782 S * 11/2020 Vaclavik D14/205
D902,496 S * 11/2020 Bui D29/112
D905,005 S * 12/2020 Liu D14/205
D913,990 S * 3/2021 Saule D14/206
D918,171 S * 5/2021 Nakayama D14/205
D920,283 S * 5/2021 Levine D14/205

(Continued)

FOREIGN PATENT DOCUMENTS

CN 308083907 * 6/2023
CN 308238827 * 9/2023

(Continued)

Primary Examiner — Paula Allen Greene
(74) Attorney, Agent, or Firm — Banner & Witcoff, Ltd.

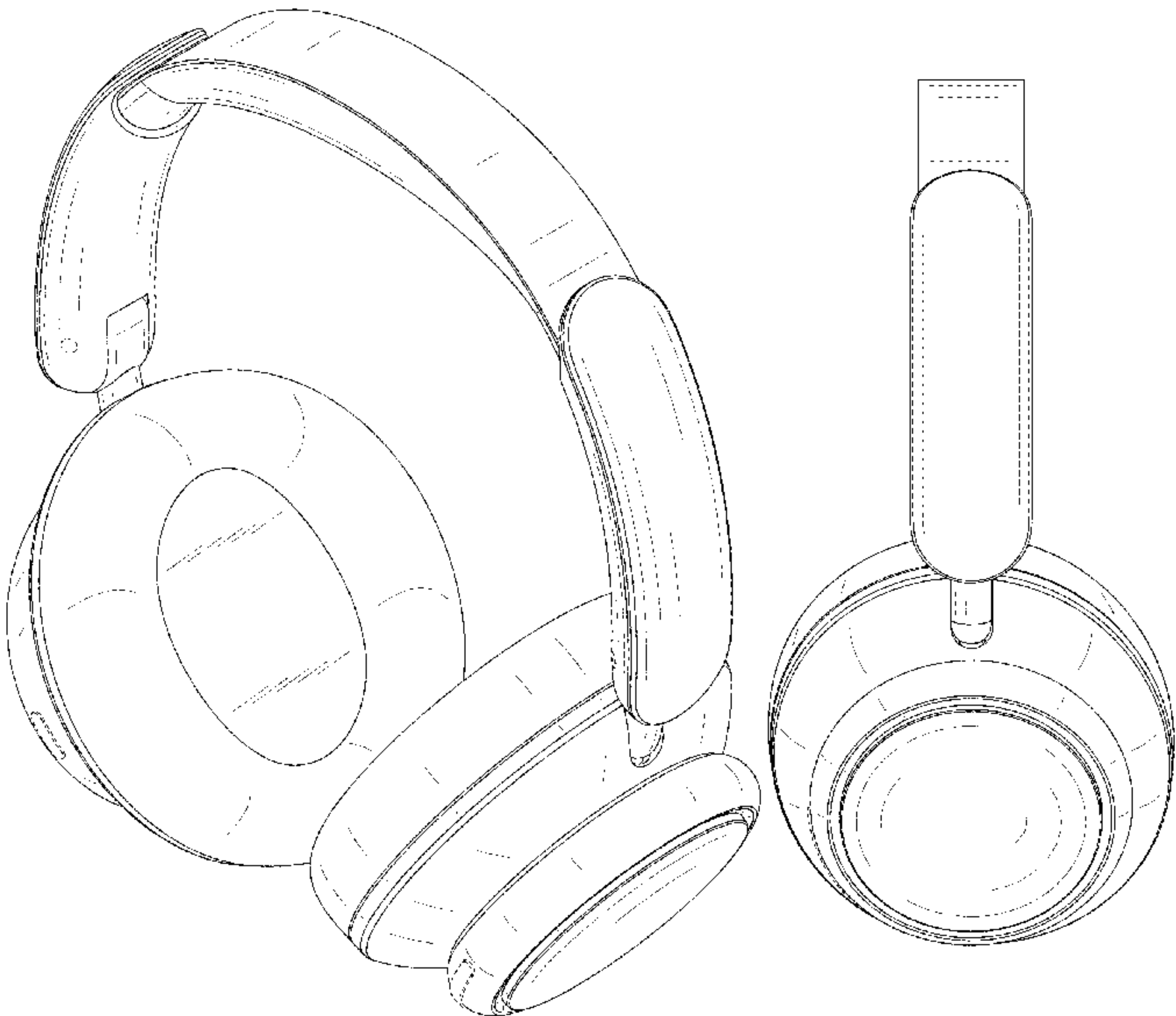
(57) CLAIM

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

DESCRIPTION

FIG. 1 is a front-top perspective view of an earphone showing our new design;
FIG. 2 is a rear-bottom perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a right side view thereof;
FIG. 6 is a left side view thereof;
FIG. 7 is a top view thereof; and,
FIG. 8 is a bottom view thereof.
The broken lines depicting the remainder of the earphone form no part of the claimed design.

1 Claim, 8 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D928,114	S	*	8/2021	Terazaki	D14/205
11,109,135	B1	*	8/2021	Corona Aparicio .	H04R 1/1066
D944,759	S	*	3/2022	Vaclavik	D14/205
D954,019	S	*	6/2022	Shyu	D14/205
D961,545	S	*	8/2022	Ahovi	D14/206
D968,356	S	*	11/2022	Zheng	D14/205
D974,327	S	*	1/2023	Shyu	D14/205
D976,228	S	*	1/2023	Zheng	D14/205
11,665,462	B1	*	5/2023	LeBlanc	H04R 1/1041
					381/74
2001/0017925	A1	*	8/2001	Ceravolo	H04M 1/05
					381/370
2006/0027245	A1	*	2/2006	Spector	A45D 8/36
					132/273
2014/0023222	A1	*	1/2014	Ito	H04R 1/105
					381/379
2015/0222980	A1	*	8/2015	Pizzaro	H04R 1/1075
					381/371
2016/0277828	A1	*	9/2016	Oh	H04R 1/105
2017/0019728	A1	*	1/2017	Cochran	H04R 5/0335
2017/0264992	A1	*	9/2017	Wallace	H04R 1/1041
2018/0302708	A1	*	10/2018	Monaghan	H04R 5/0335
2019/0037300	A1	*	1/2019	Wang	H04R 1/1066
2020/0029145	A1	*	1/2020	Kamimura	H04R 1/1066
2020/0280801	A1	*	9/2020	Andersen	H04R 1/1008

FOREIGN PATENT DOCUMENTS

EM	008057400-0001	*	7/2020
EM	015001796-0003	*	10/2022
GB	9003743228-0001	*	2/2017
GB	9008057400-0001	*	7/2020

* cited by examiner



FIG. 1



FIG. 2



FIG. 3



FIG. 4

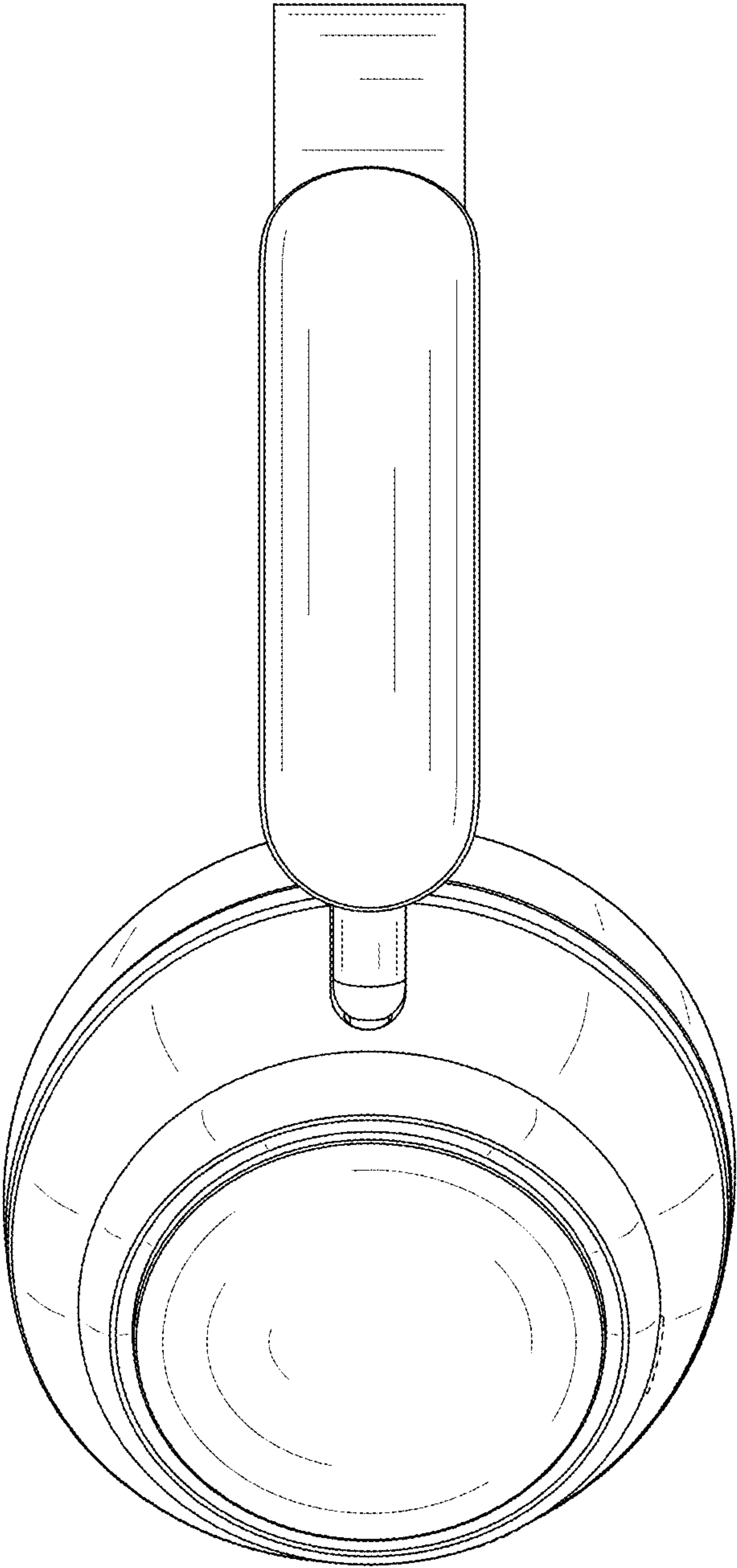


FIG. 5

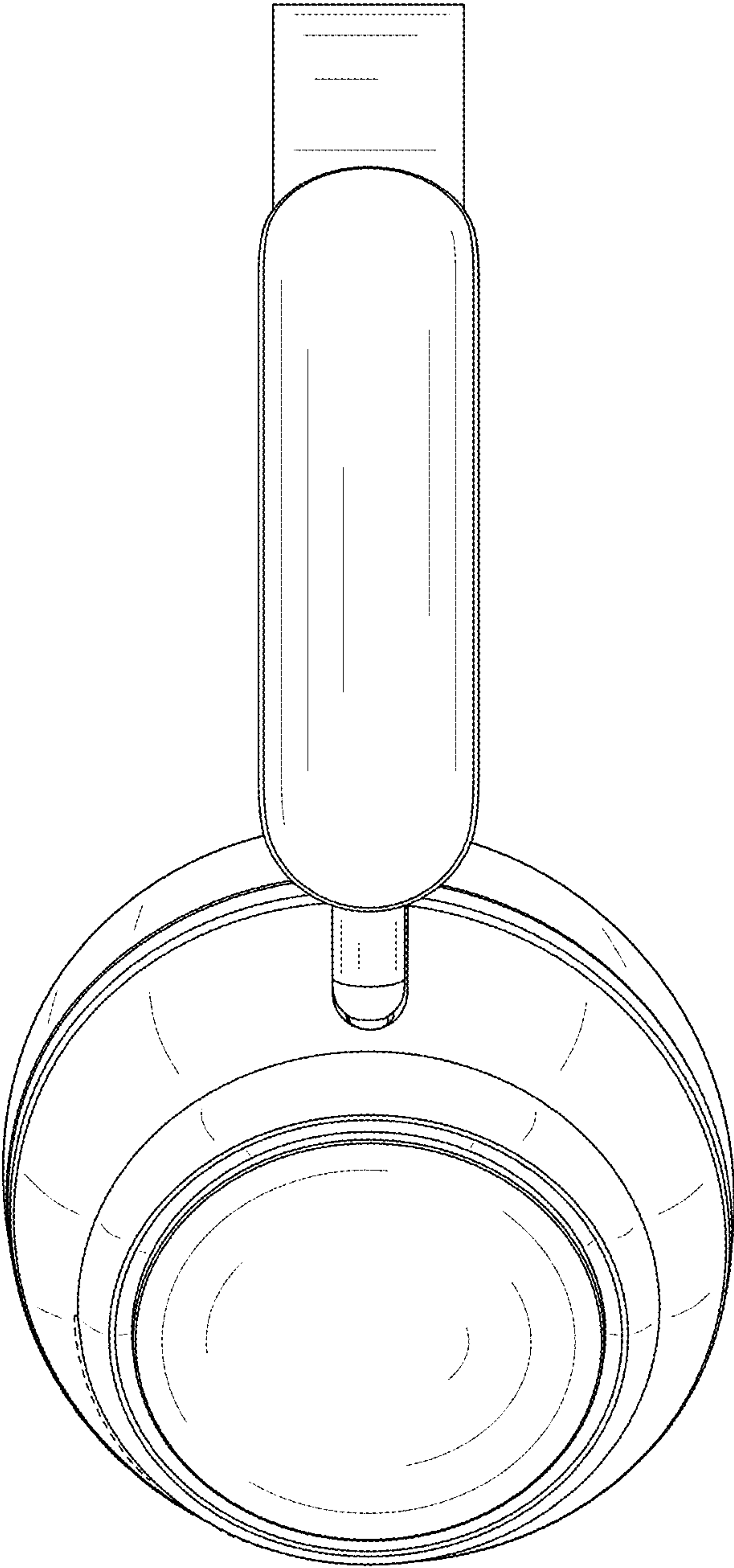


FIG. 6

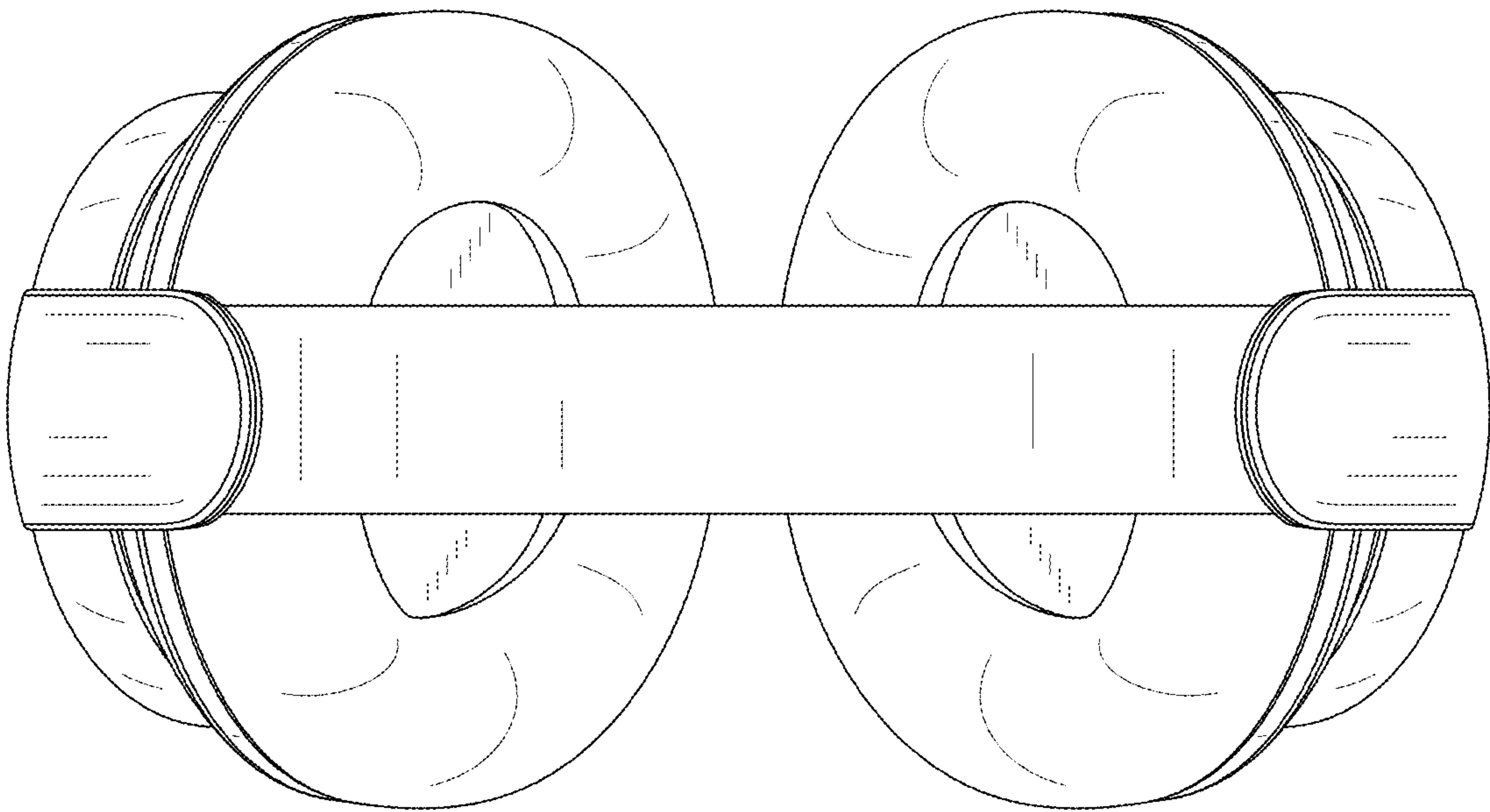


FIG. 7

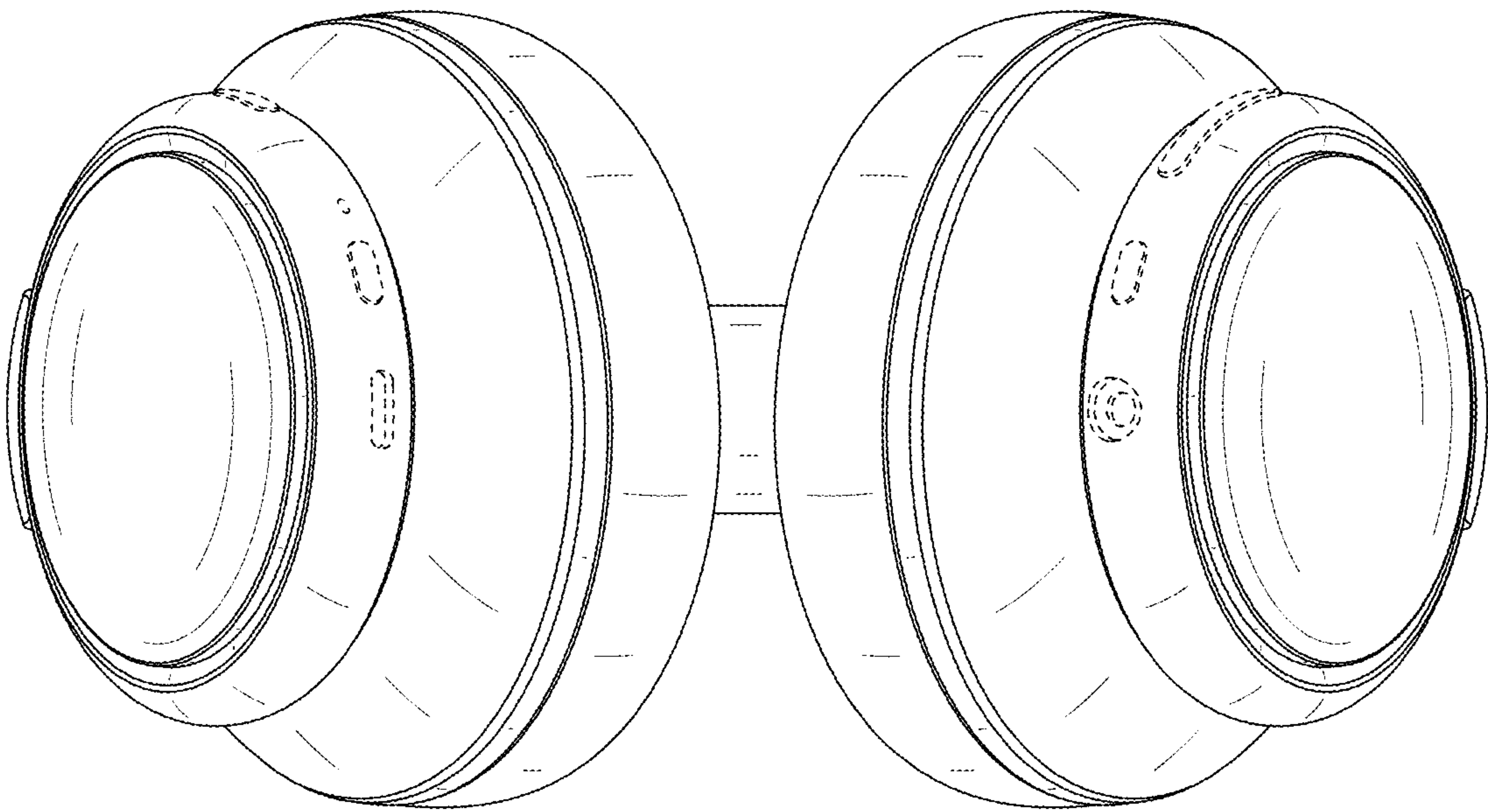


FIG. 8