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

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(54) **NECK FAN**

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

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(51) **LOC (14) Cl.** **23-04**

(52) **U.S. Cl.**
USPC **D23/380**

(58) **Field of Classification Search**
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D23/381, 382, 385, 380

CPC F24F 2203/00; F24F 2221/00; F24F 13/00;
F24F 7/00; F04D 29/522; F04D 25/08

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D862,679	S	*	10/2019	Zhou	.....	D23/380
10,578,119	B2	*	3/2020	Lee	.....	A41D 20/005
D903,086	S		11/2020	Liu		
D925,028	S	*	7/2021	Song	.....	D23/370
D928,932	S	*	8/2021	Li	.....	D23/370
D939,074	S	*	12/2021	He	.....	D23/382
D944,953	S	*	3/2022	Xu	.....	D23/380
D951,423	S		5/2022	Zhou		
D966,490	S	*	10/2022	Liu	.....	D2/600
D973,861	S	*	12/2022	Lee	.....	D23/370
D979,041	S	*	2/2023	Hu	.....	D23/382
2017/0370596	A1	*	12/2017	Lee	.....	A41D 20/005
2020/0187574	A1	*	6/2020	Te Hsiang	.....	A41D 13/0053
2021/0324865	A1	*	10/2021	Park	.....	F04D 25/084
2021/0368872	A1	*	12/2021	Lee	.....	F04D 25/084

OTHER PUBLICATIONS

CN 202230032929.8 Industrial Design Application, (Shenzhen Zhengling Network System Co Ltd) Apr. 26, 2022, [database online], [retrieved Feb. 22, 2023] Retrieved from the Questel Orbit Intelligence Database using Internet <URL: https://www.orbit.com/> (Year: 2022).*

CN 202230362398.9 Industrial Design Application, (Li Qian) Jun. 14, 2022, [database online], [retrieved Feb. 22, 2023] Retrieved from the Questel Orbit Intelligence Database using Internet <URL: https://www.orbit.com/> (Year: 2022).*

* cited by examiner

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(57) **CLAIM**

The ornamental design for a neck fan, as shown and described.

DESCRIPTION

FIG. 1 is a front, right and top perspective view of a neck fan, showing my new design;

FIG. 2 is a rear, left and bottom perspective view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a left side view thereof;

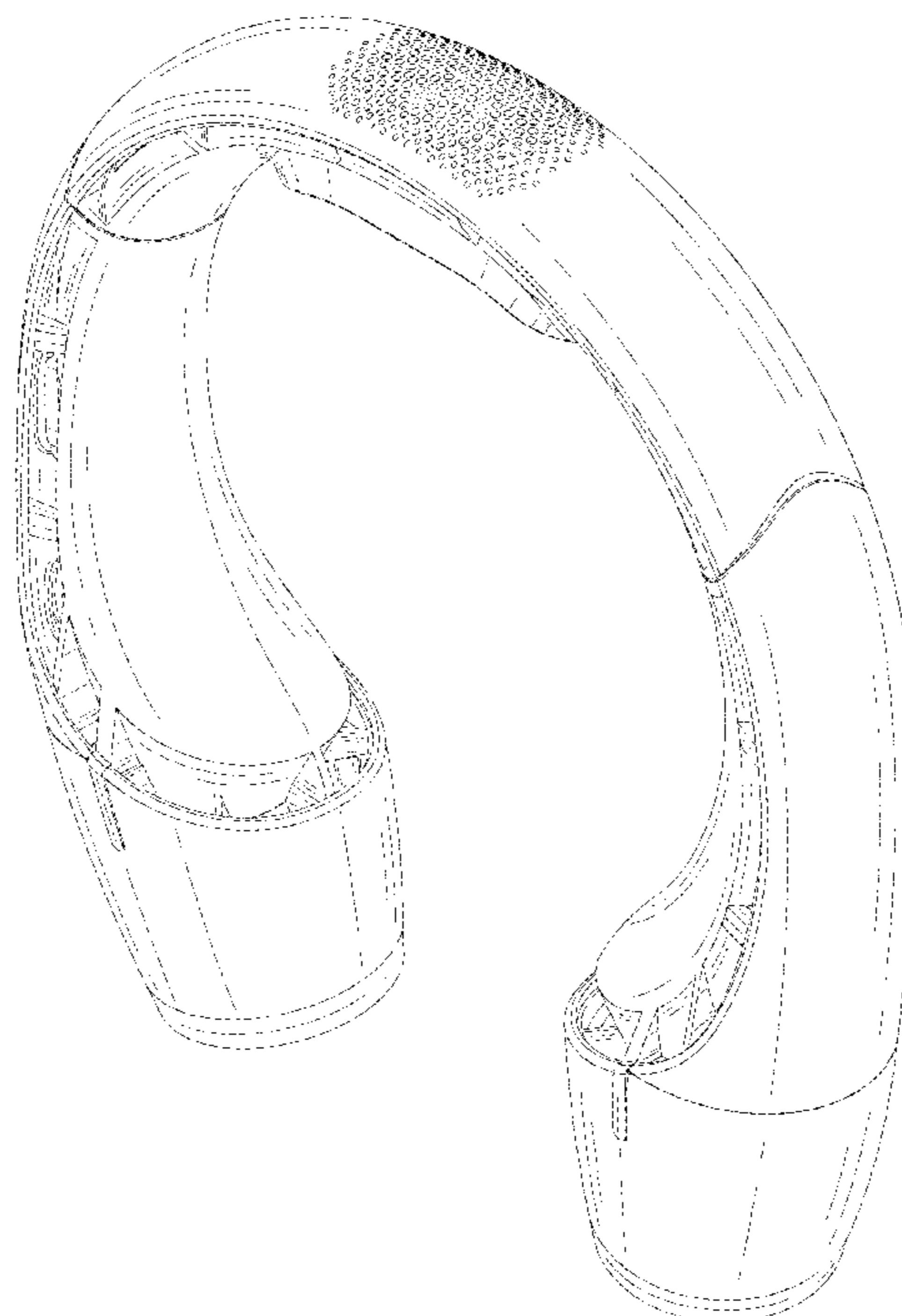
FIG. 6 is a right side view thereof;

FIG. 7 is a top plan view thereof; and,

FIG. 8 is a bottom plan view thereof.

The broken lines shown in the drawings illustrate portions of the neck fan that form no part of the claimed design.

1 Claim, 8 Drawing Sheets



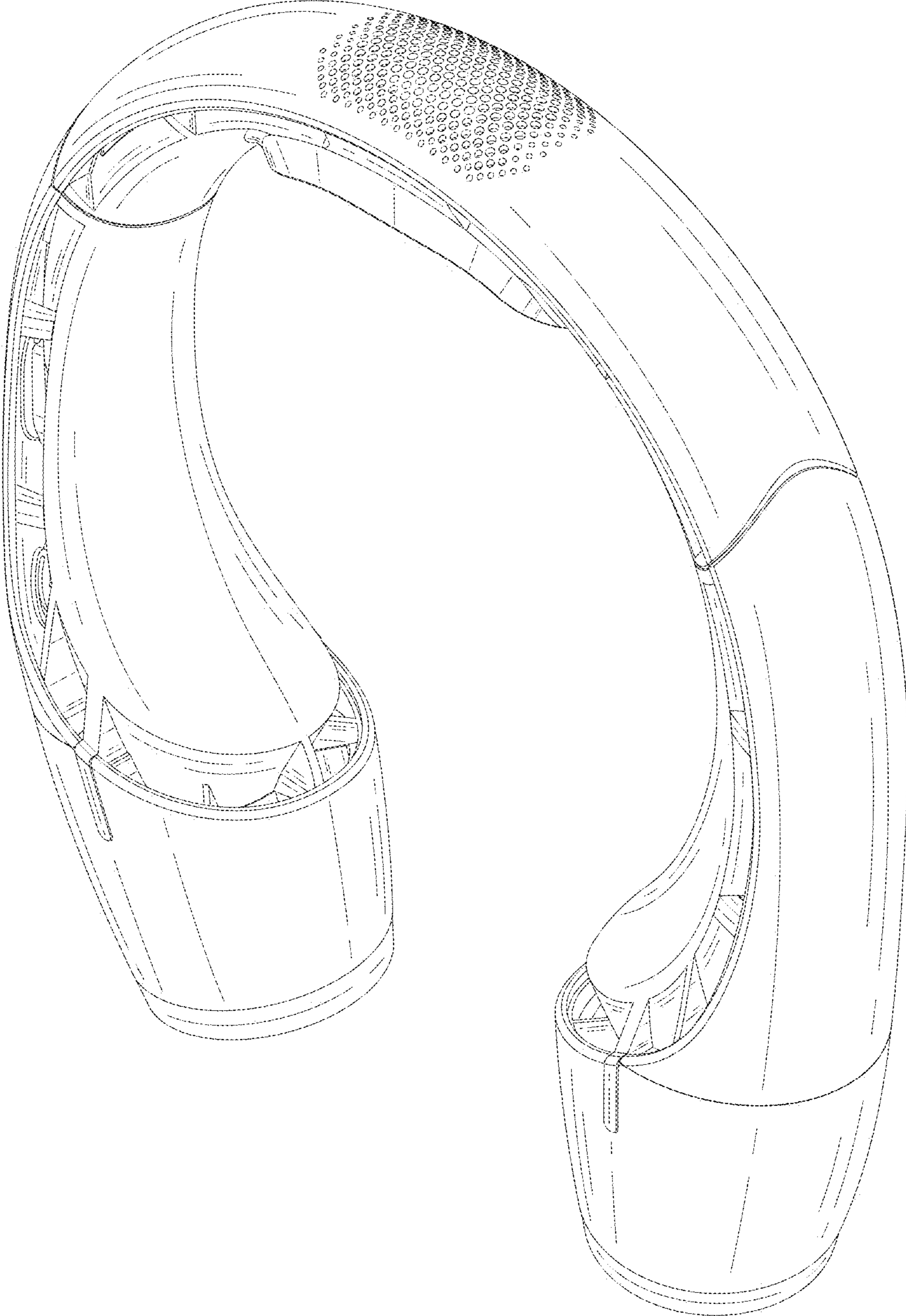


FIG. 1

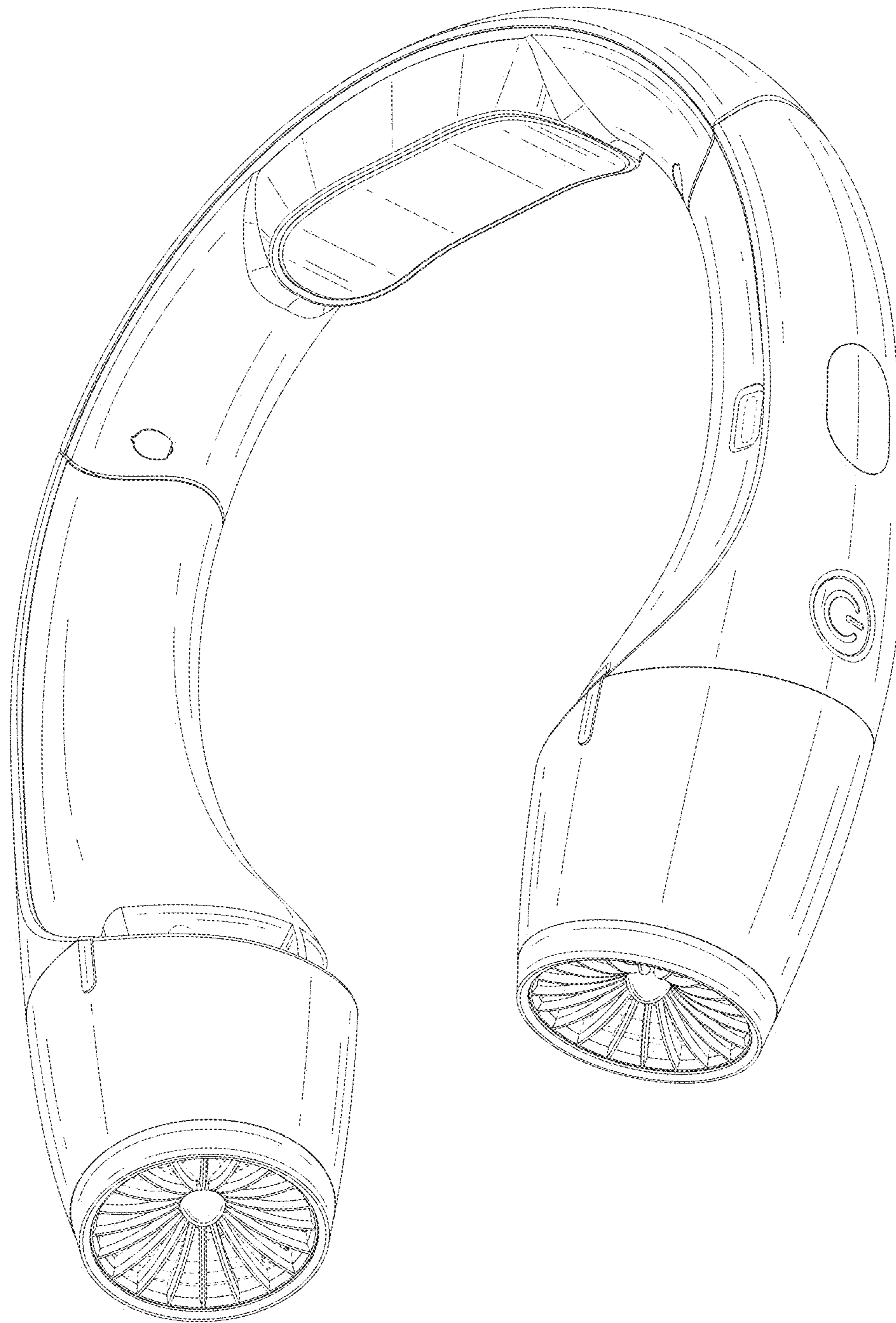


FIG. 2



FIG. 3

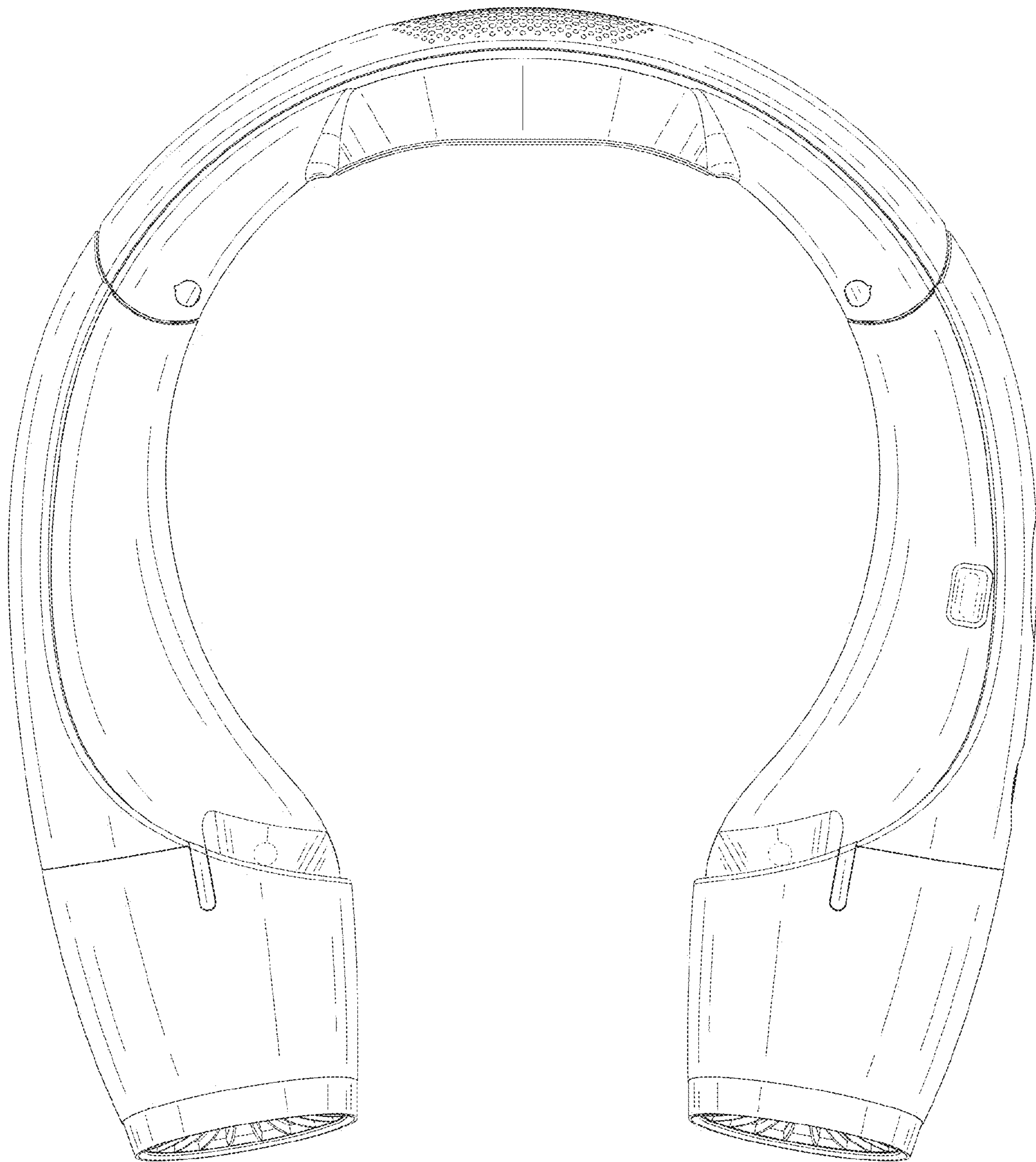


FIG. 4

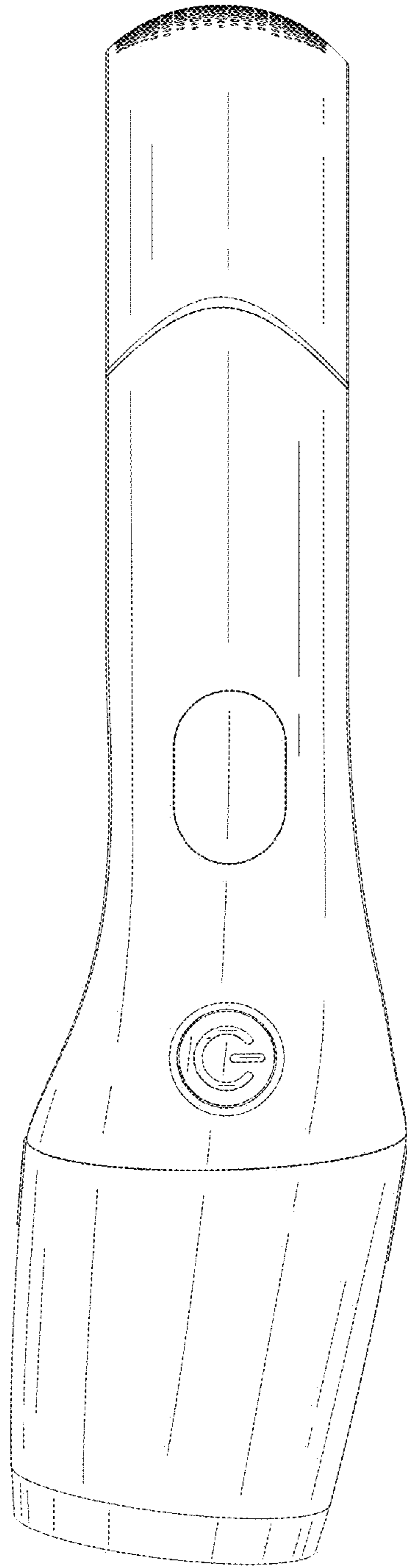


FIG. 5

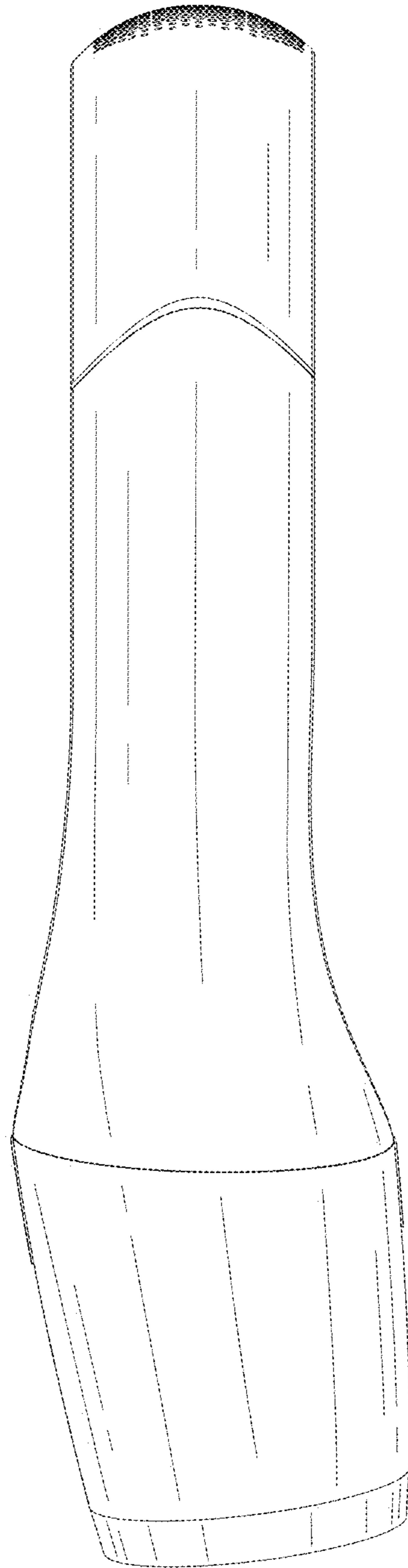


FIG. 6

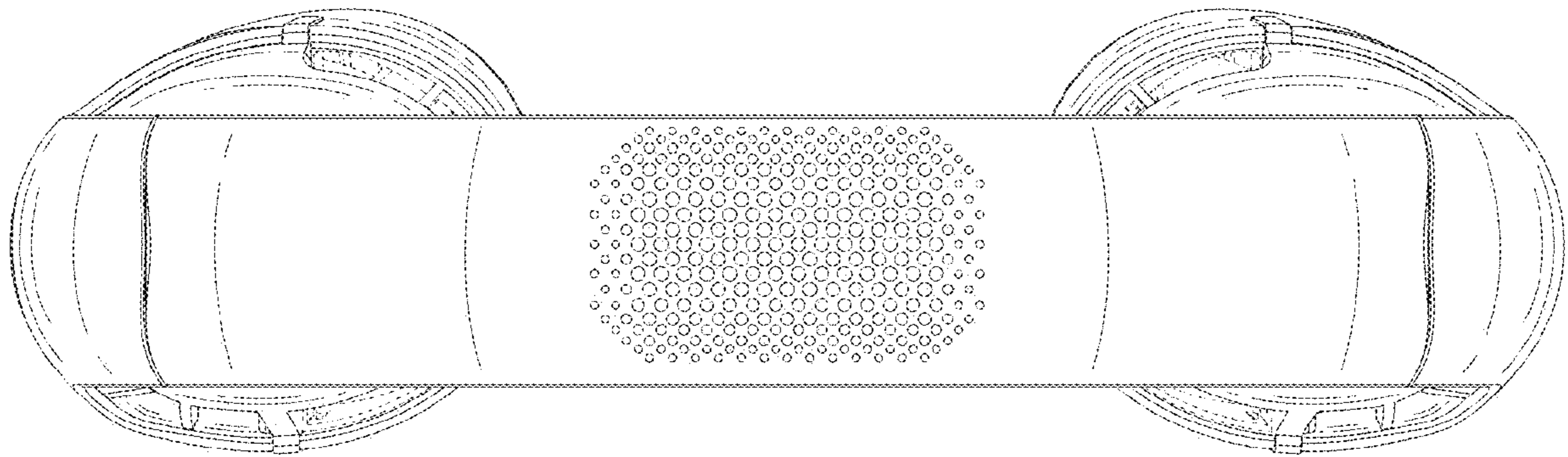


FIG. 7

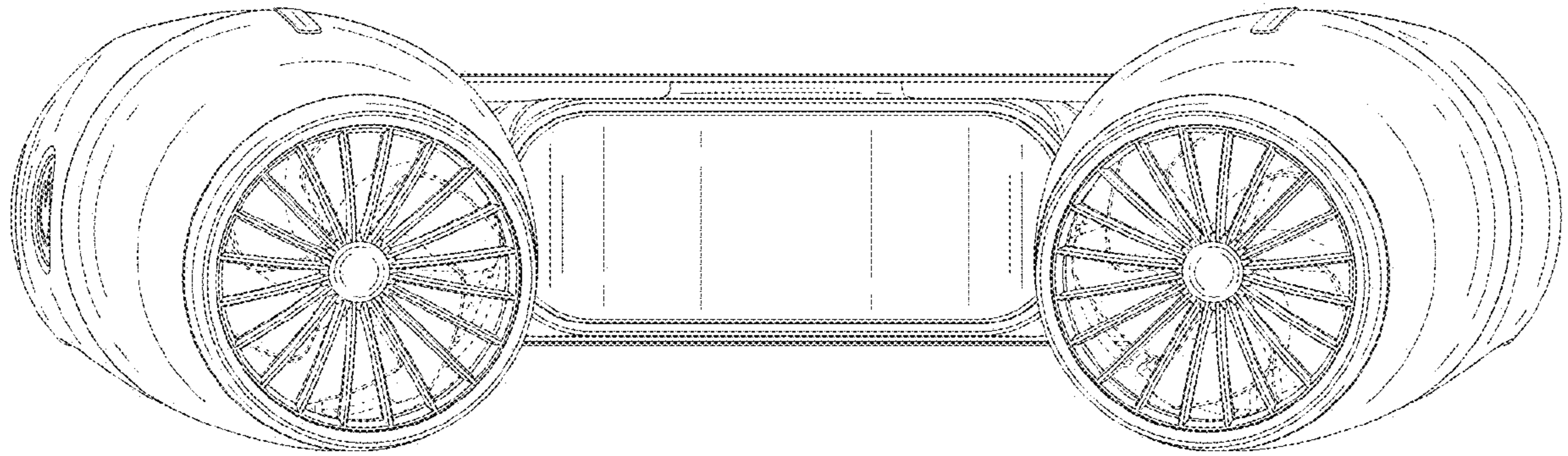


FIG. 8