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(12) **United States Design Patent** (10) **Patent No.:** **US D834,718 S**
Bobey et al. (45) **Date of Patent:** **** Nov. 27, 2018**

(54) **OUTER COVERING FOR A PERCUSSIVE HIGH FREQUENCY CHEST WALL OSCILLATION SYSTEM**

5,235,967 A 8/1993 Arbisi et al.
D456,591 S 5/2002 Hansen
D461,897 S 8/2002 Hansen
D469,876 S 2/2003 Hansen et al.
D478,989 S 8/2003 Hansen et al.

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(Continued)

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OTHER PUBLICATIONS

Hodsden, Suzanne, "Hill-Rom Unveils Mobile, Connected Airway Clearance System for Patients on the Move" May 2, 2017, [online], [site visited Jun. 14, 2018]. Retrieved from Internet: <URL: https://www.meddeviceonline.com/doc/hill-rom-unveils-mobile-connected-airway-clearance-system-for-patients-on-the-move-0001>.*

(Continued)

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

(57) **CLAIM**

(21) Appl. No.: **29/594,780**

The ornamental design for an outer covering for a percussive high frequency chest wall oscillation system, as shown and described.

(22) Filed: **Feb. 22, 2017**

(51) **LOC (11) Cl.** **28-03**

(52) **U.S. Cl.**
USPC **D24/200**

DESCRIPTION

(58) **Field of Classification Search**
USPC D24/200, 107, 164; D2/828-829
CPC A61H 9/00; A61H 9/005; A61H 9/0071;
A61H 9/0007; A61H 9/0078; A61H
7/004; A61H 23/00; A61H 23/006; A61H
23/02; A61H 23/0218; A61H 23/04;
A61H 2023/045; A41D 13/0518
See application file for complete search history.

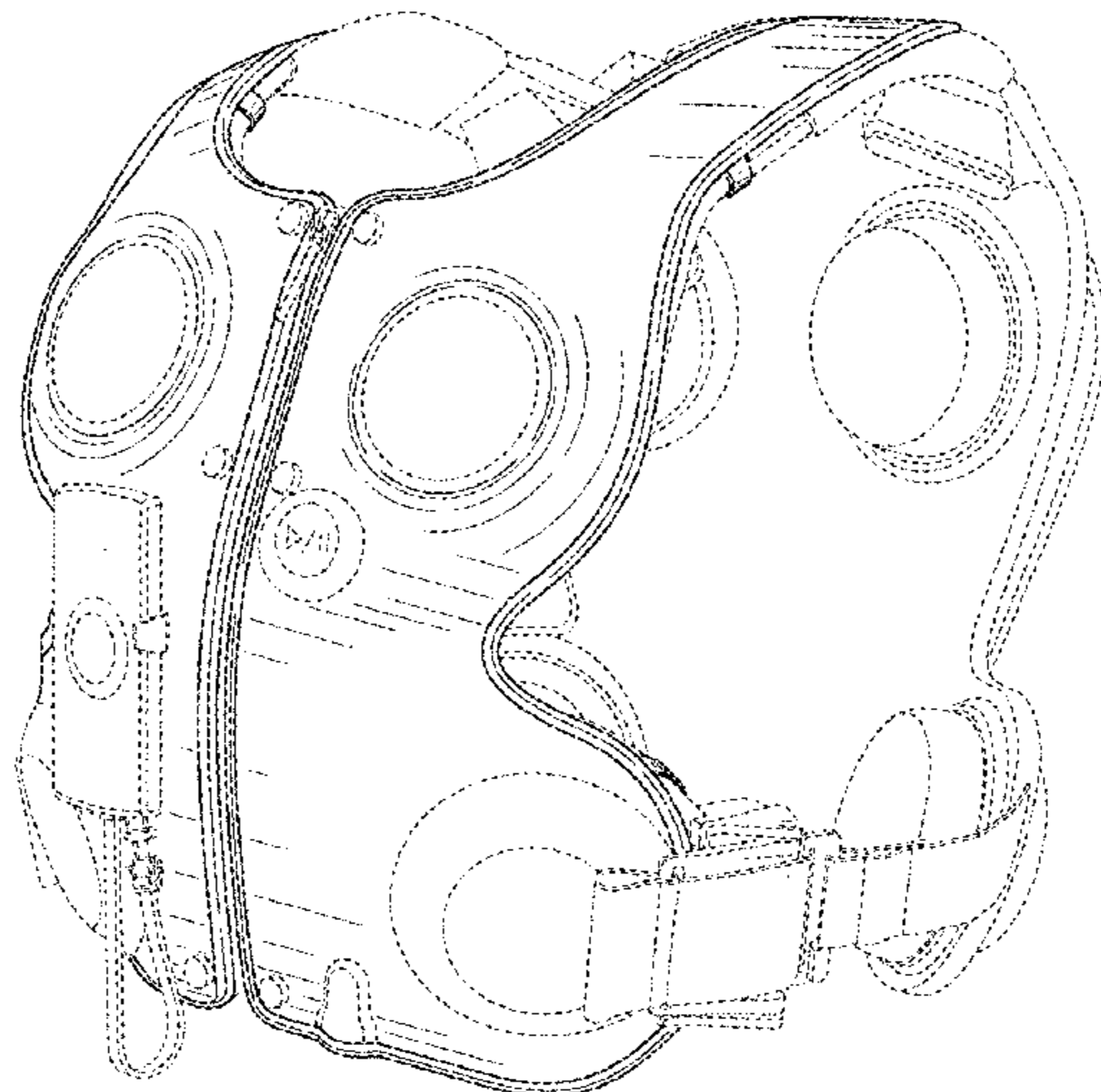
FIG. 1 is a front perspective view of an outer covering for a percussive high frequency chest wall oscillation system in accordance with the present design, as viewed from a top right corner thereof;
FIG. 2 is front elevation view thereof;
FIG. 3 is a rear elevation view thereof;
FIG. 4 is a right side elevation view thereof;
FIG. 5 is a left side elevation view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.
The broken lines showing the remainder of the outer covering for a percussive high frequency chest wall oscillation system are directed to environment. None of the broken lines form a part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,869,537 A * 1/1959 Chu A61H 9/0078
482/112
3,053,250 A * 9/1962 Stubbs A61H 23/0218
601/79

1 Claim, 7 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

7,115,104	B2 *	10/2006	Van Brunt	A61H 9/0078 601/41
7,931,607	B2	4/2011	Biondo et al.	
D639,954	S	6/2011	Helgeson et al.	
8,460,223	B2	6/2013	Huster et al.	
D704,849	S *	5/2014	Hunter	D24/200
9,237,982	B2	1/2016	Van Brunt	
9,549,869	B2	1/2017	DeVlieger et al.	
9,968,511	B2 *	5/2018	Huster	A61H 9/005
2004/0133133	A1	7/2004	Dreimann et al.	
2006/0005306	A1	1/2006	Call et al.	
2008/0108914	A1	5/2008	Brouqueyre et al.	
2009/0192421	A1 *	7/2009	Huster	A61H 9/0078 601/44
2011/0087143	A1	4/2011	Bobey et al.	
2012/0291798	A1	11/2012	Park et al.	
2014/0005579	A1	1/2014	Drlik et al.	
2014/0276271	A1 *	9/2014	Stryker	A61H 23/04 601/46
2016/0095790	A1	4/2016	Shockley, Jr. et al.	
2018/0049939	A1 *	2/2018	Bobey	A61H 9/005

OTHER PUBLICATIONS

Hill-Rom | Respiratory Care | Monarch™ Airway Clearance System 3D Animation Video, published on Jun. 26, 2017, [online], [site visited Jun. 14, 2018]. Retrieved from Internet: <URL: https://www.youtube.com/results?search_query=monarch+airway+clearance+system>.*

* cited by examiner

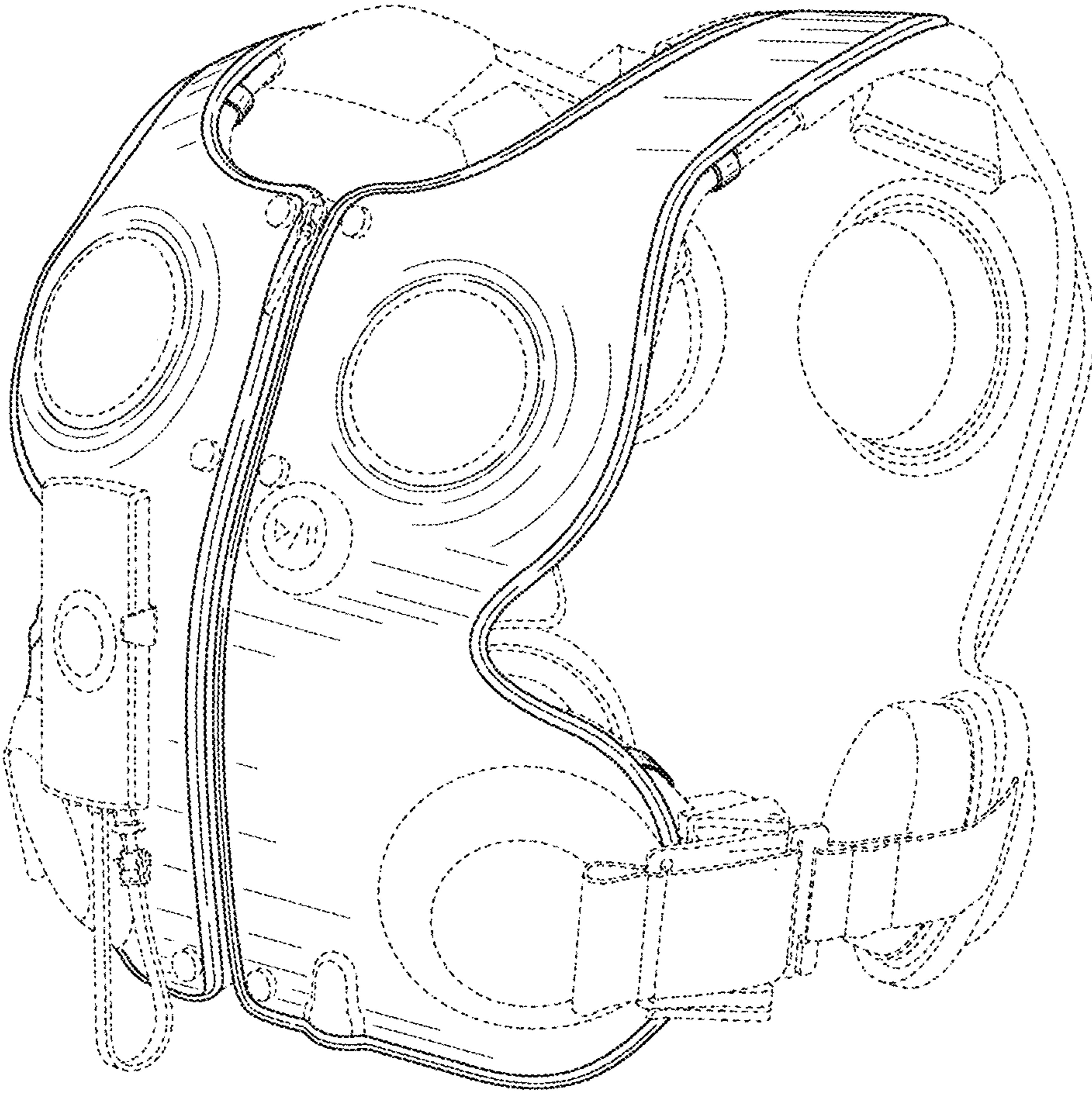


FIG. 1

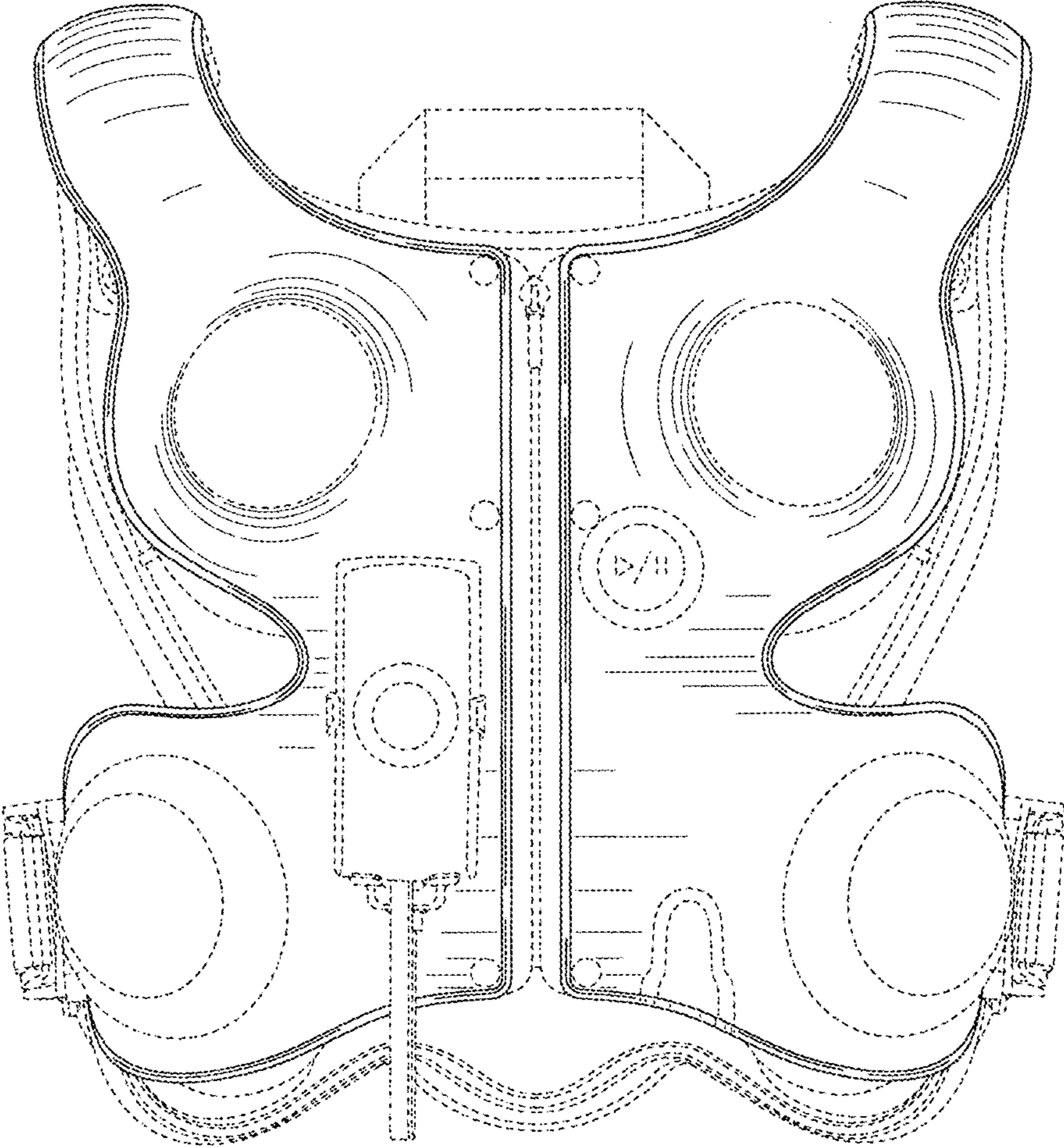


FIG. 2

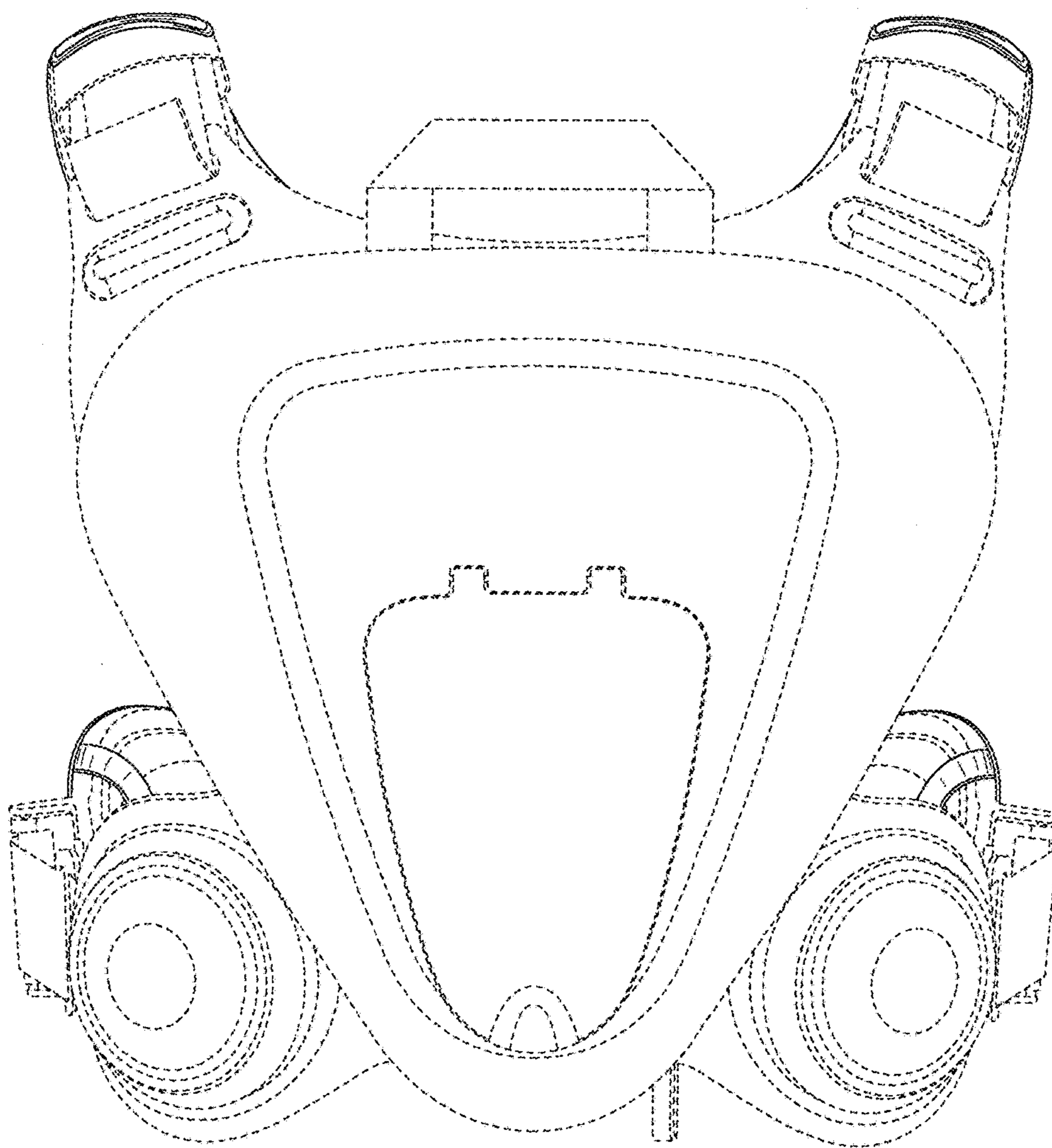


FIG. 3

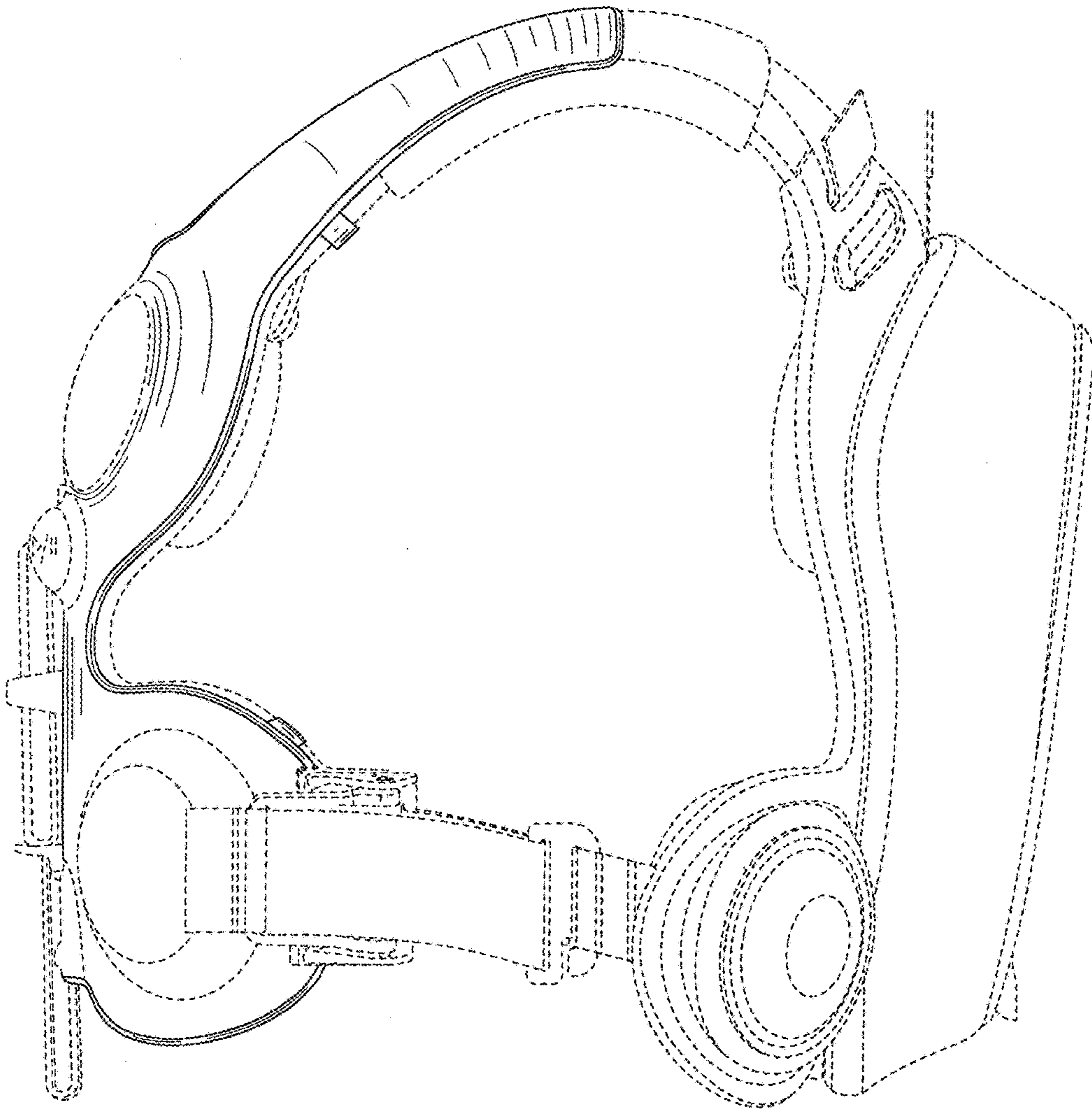


FIG. 4

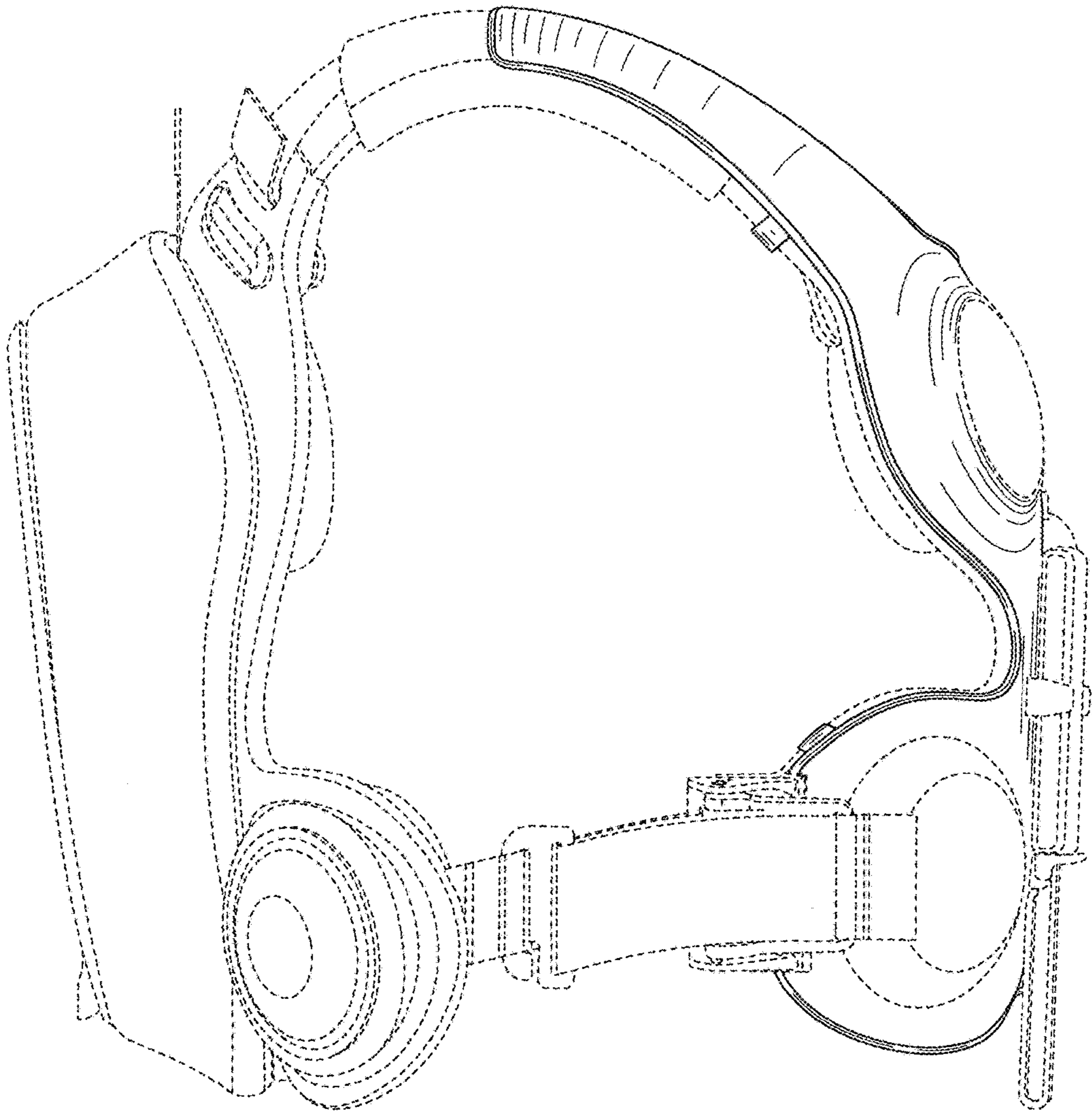


FIG. 5

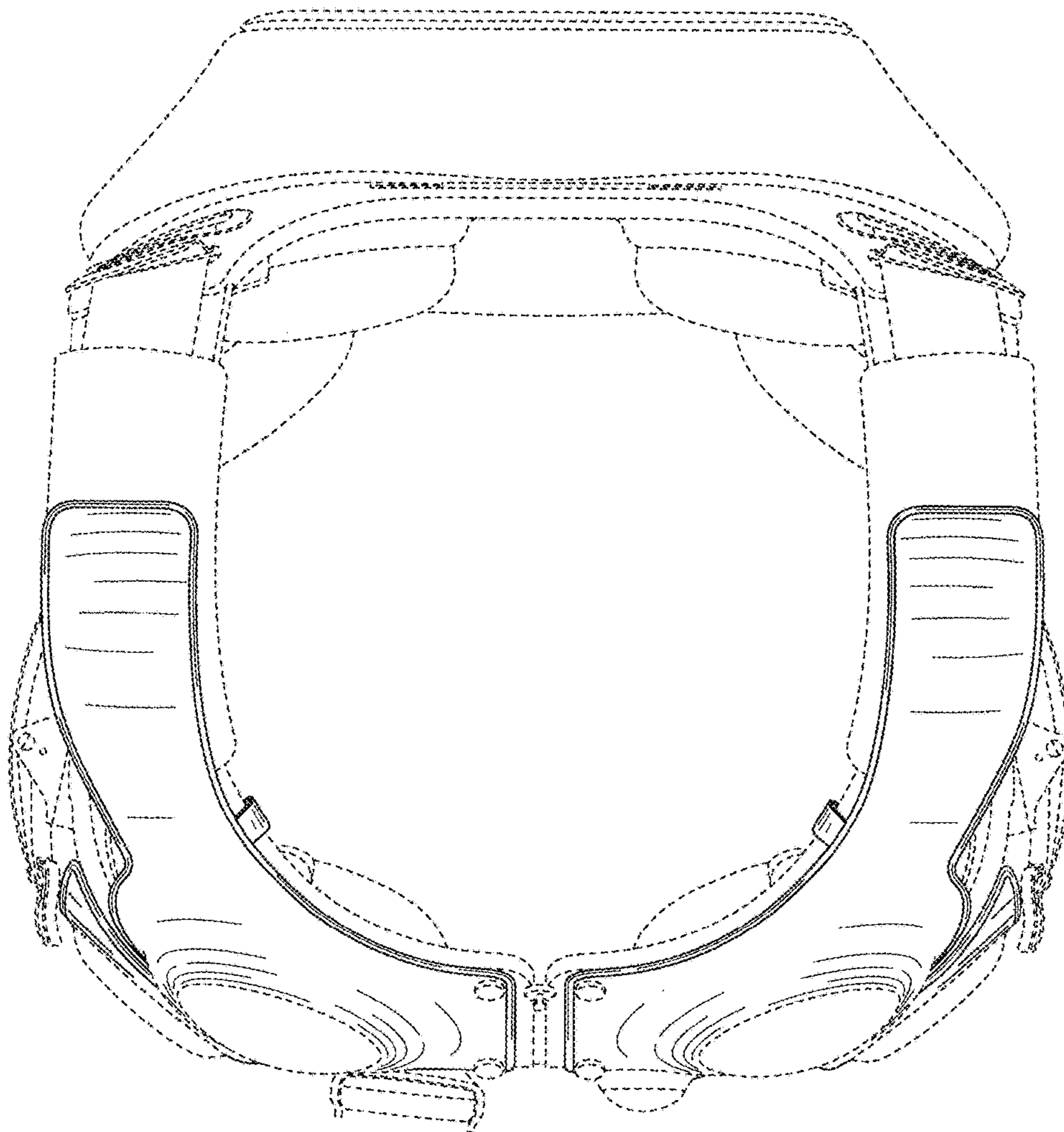


FIG. 6

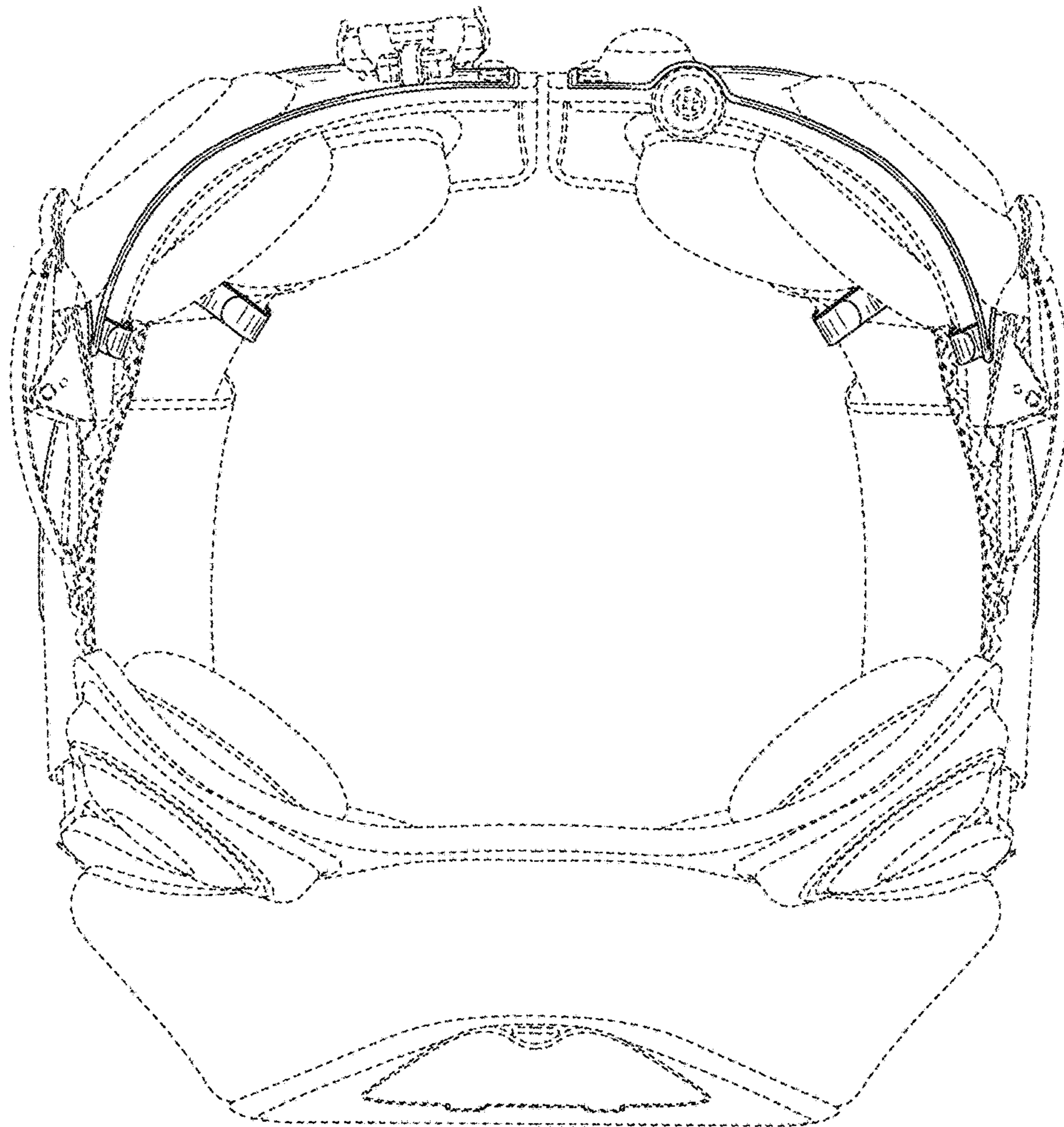


FIG. 7

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D834,718 S
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INVENTOR(S) : John A. Bobey et al.

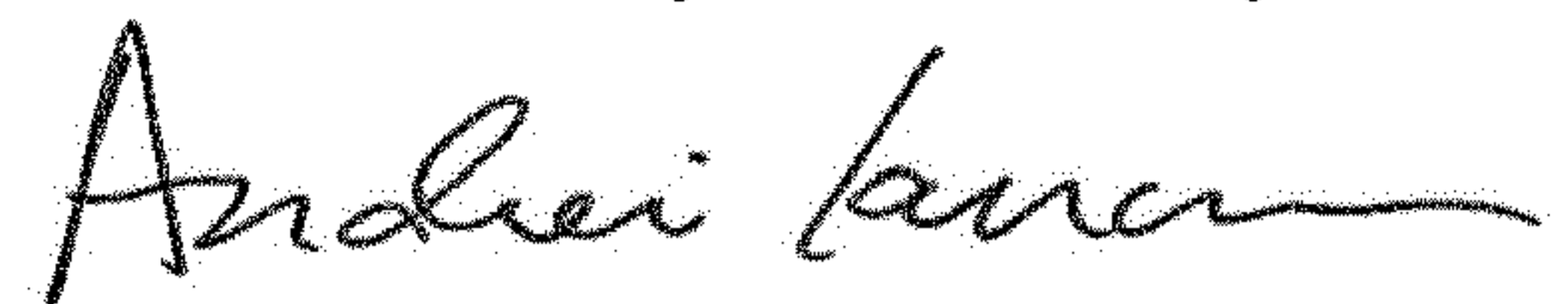
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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

The last name of the third inventor in item (72), replace "Ventakaraya" with --Venkataraya--.

Signed and Sealed this
Nineteenth Day of February, 2019



Andrei Iancu
Director of the United States Patent and Trademark Office