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(12) **United States Design Patent** (10) **Patent No.:** **US D977,087 S**  
**Siew et al.** (45) **Date of Patent:** **\*\* Jan. 31, 2023**

(54) **PATIENT INTERFACE**

(56)

**References Cited**

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U.S. PATENT DOCUMENTS

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2,241,535 A	5/1941	Boothby et al.
4,449,527 A	5/1984	Hinton
4,808,160 A	2/1989	Timmons et al.
5,010,884 A	4/1991	Van Derdoes
D335,367 S	5/1993	Mieskoski
5,243,971 A	9/1993	Sullivan et al.
5,671,732 A	9/1997	Bowen
5,724,677 A	3/1998	Bryant et al.
5,724,965 A	3/1998	Handke et al.
5,782,236 A	7/1998	Ess
D399,950 S	10/1998	Shepard
6,374,826 B1	4/2002	Gunaratnam et al.
D476,732 S	7/2003	Smart
D479,876 S	9/2003	Gradon et al.
D485,905 S	1/2004	Moore et al.
D486,226 S	2/2004	Guney
D496,726 S	9/2004	Amarasinghe
D532,511 S	11/2006	Amarasinghe
D532,512 S	11/2006	Amarasinghe
D536,092 S	1/2007	Amarasinghe
D540,940 S	4/2007	Amarasinghe
D542,912 S	5/2007	Gunaratnam et al.
7,210,481 B1	5/2007	Lovell et al.
7,219,669 B1	5/2007	Lovell et al.
D545,961 S	7/2007	Hitchcock
D546,441 S	7/2007	Hitchcock
D549,322 S	8/2007	Stallard et al.
D549,323 S	8/2007	Kwok et al.
D550,352 S	9/2007	Chandran et al.
D550,836 S	9/2007	Chandran et al.
D555,785 S	11/2007	McAuley et al.
D557,411 S	12/2007	Smart et al.
D557,802 S	12/2007	Miceli et al.
D558,334 S	12/2007	Stallard et al.
D561,332 S	2/2008	Amarasinghe
D561,893 S	2/2008	Gunaratnam
D562,976 S	2/2008	Guney et al.
D564,089 S	3/2008	Chandran et al.
D568,985 S	5/2008	Chandran et al.
D582,546 S	12/2008	Fujiura et al.
D583,047 S	12/2008	Chandran et al.
D583,049 S	12/2008	Chandran et al.
D583,930 S	12/2008	McAuley et al.
D586,458 S	2/2009	Kooij et al.
D586,906 S	2/2009	Stallard

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

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**Related U.S. Application Data**

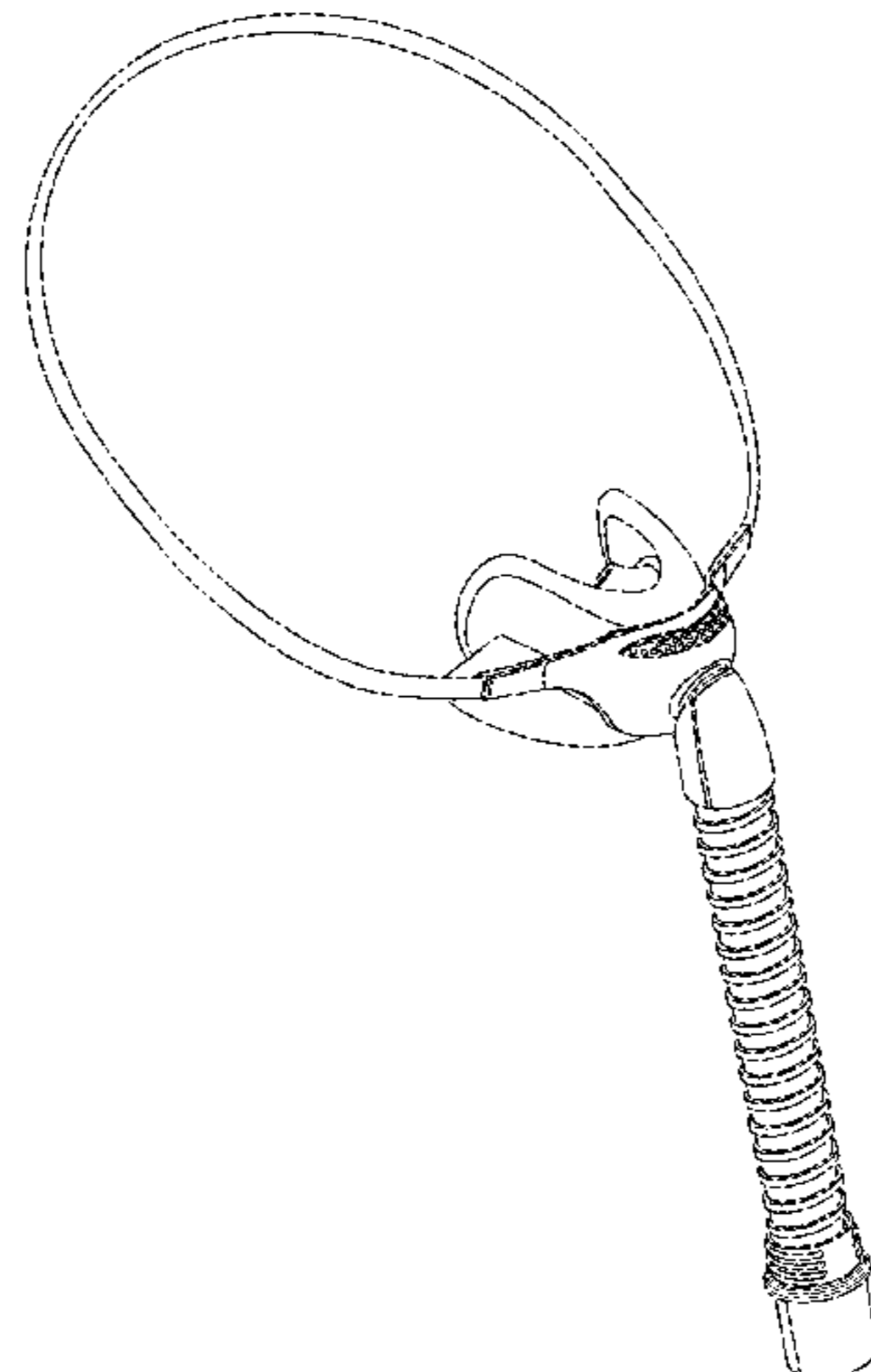
(63) Continuation of application No. 29/616,082, filed on  
Sep. 1, 2017, now Pat. No. Des. 857,190, which is a  
continuation of application No. 29/541,452, filed on  
Oct. 2, 2015, now Pat. No. Des. 798,439, which is a  
continuation of application No. 29/469,110, filed on  
Oct. 7, 2013, now Pat. No. Des. 740,409, which is a  
continuation of application No. 29/368,392, filed on  
Aug. 23, 2010, now Pat. No. Des. 691,257.

(51) **LOC (14) Cl.** ..... **29-02**

(52) **U.S. Cl.**  
USPC ..... **D24/110.4**

(58) **Field of Classification Search**  
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CPC ..... A61M 16/06; A61M 16/0616; A61M  
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A61M 16/0666; A61M 16/08; A61M  
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See application file for complete search history.





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WO WO 2010/131189 11/2010  
WO WO 2011/059346 5/2011

\* cited by examiner

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(57)

**CLAIM**

The ornamental design for a patient interface, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a patient interface which incorporates our design;

FIG. 2 is an alternate perspective view of the patient interface;

FIG. 3 is a top plan view of the patient interface;

FIG. 4 is a bottom plan view of the patient interface;

FIG. 5 is a left side elevational view of the patient interface;

FIG. 6 is a front elevational view of the patient interface;

FIG. 7 is a right side elevational view of the patient interface; and,

FIG. 8 is a rear elevational view of the patient interface.

**1 Claim, 8 Drawing Sheets**

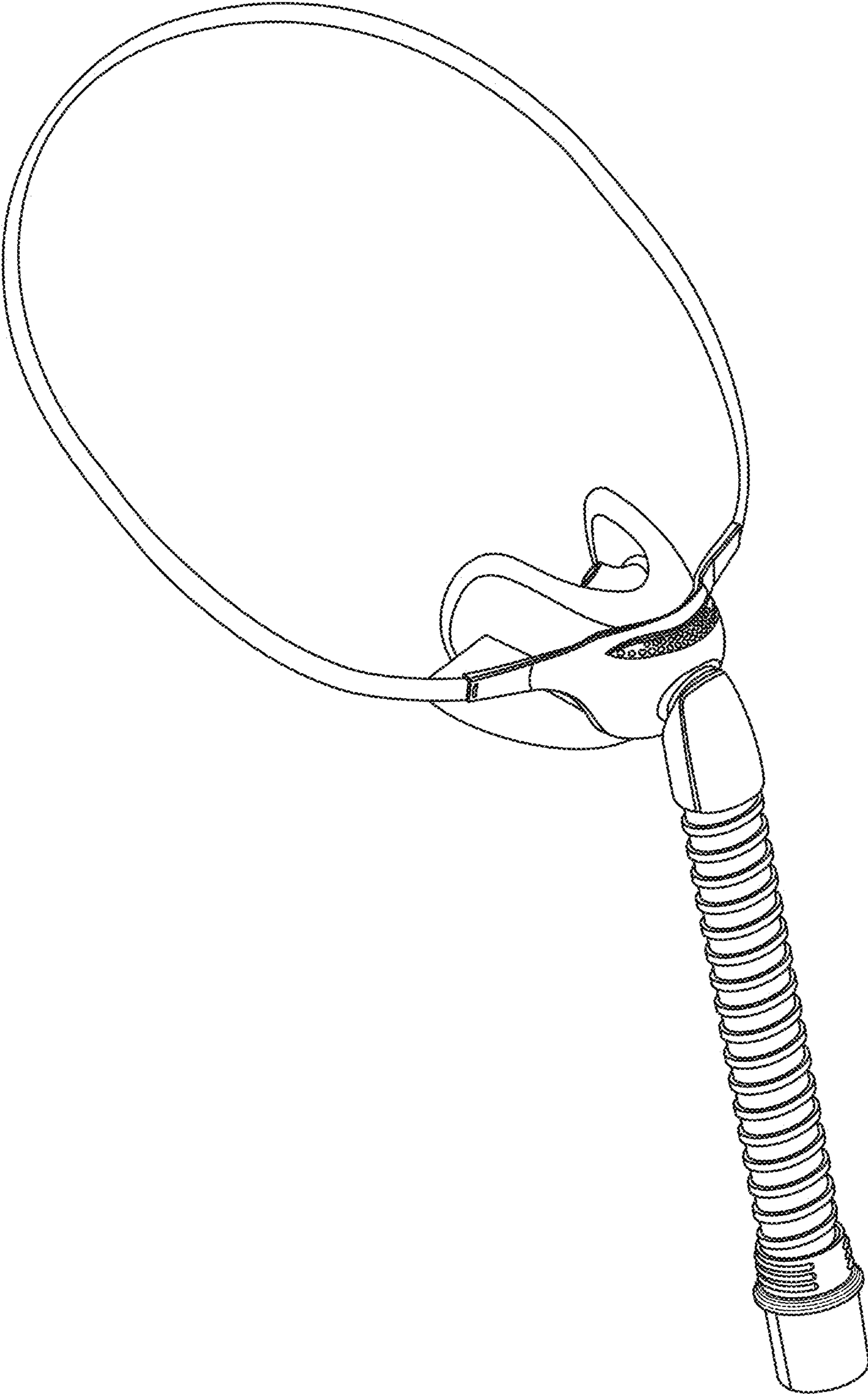


FIG. 1

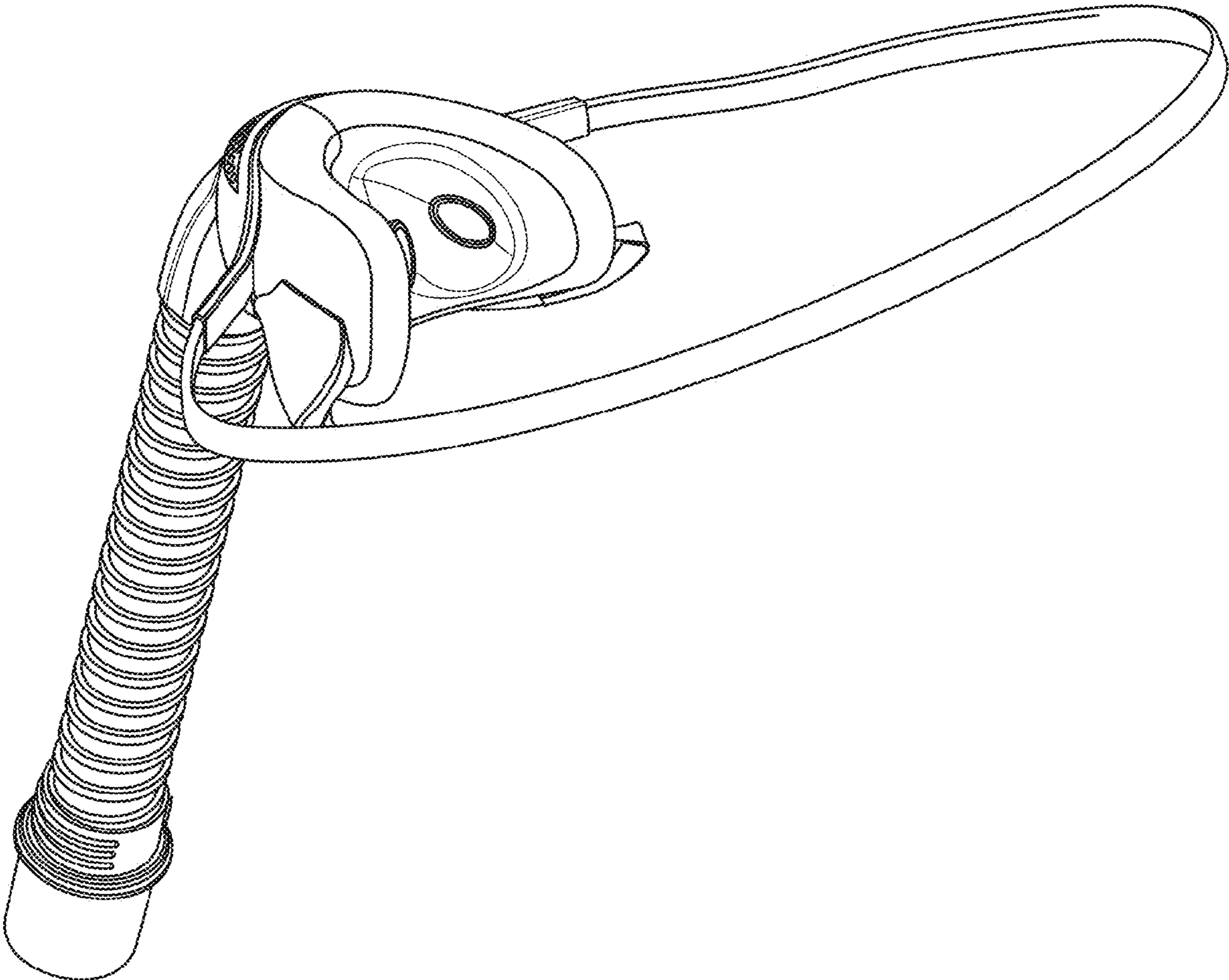


FIG. 2

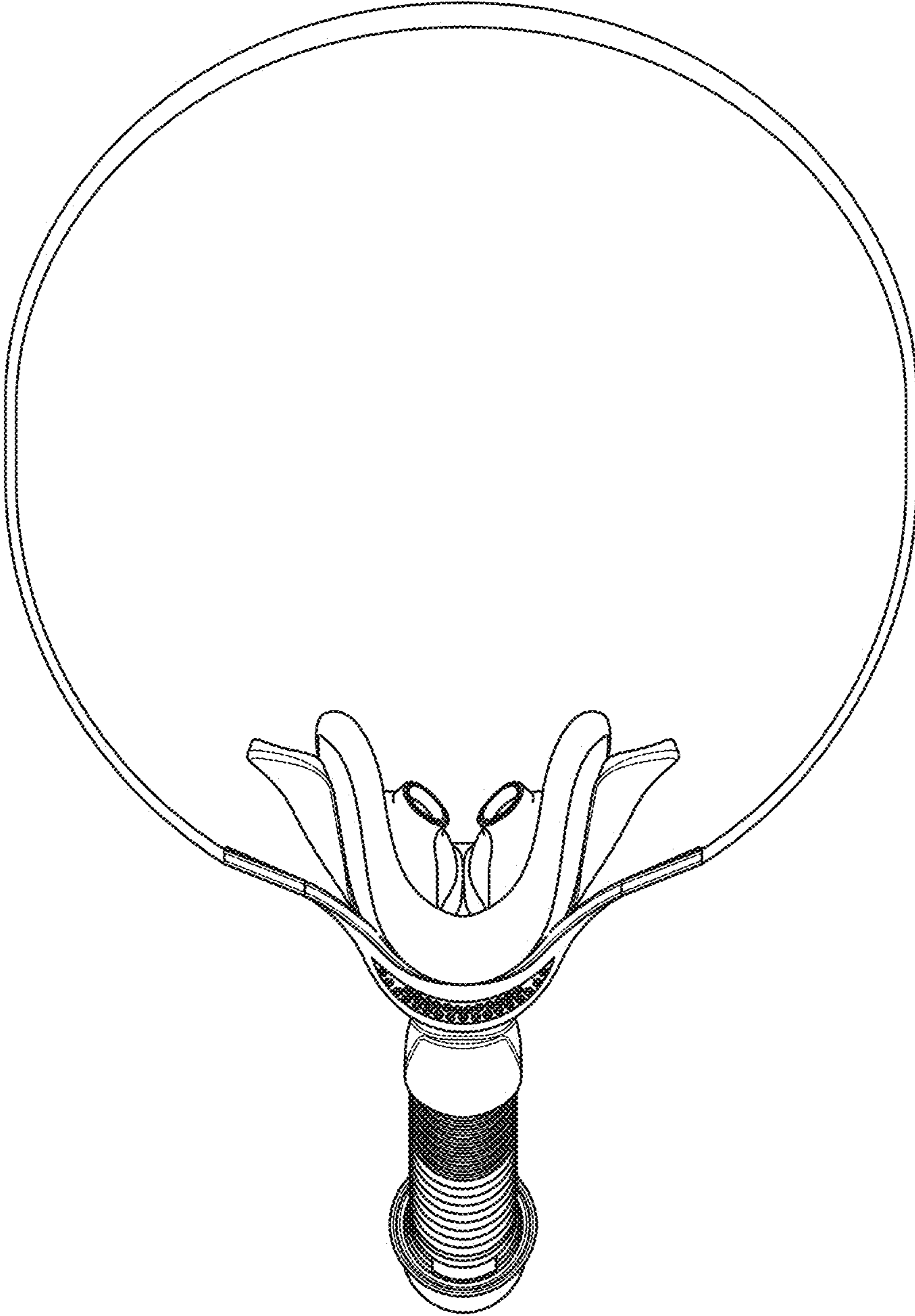


FIG. 3

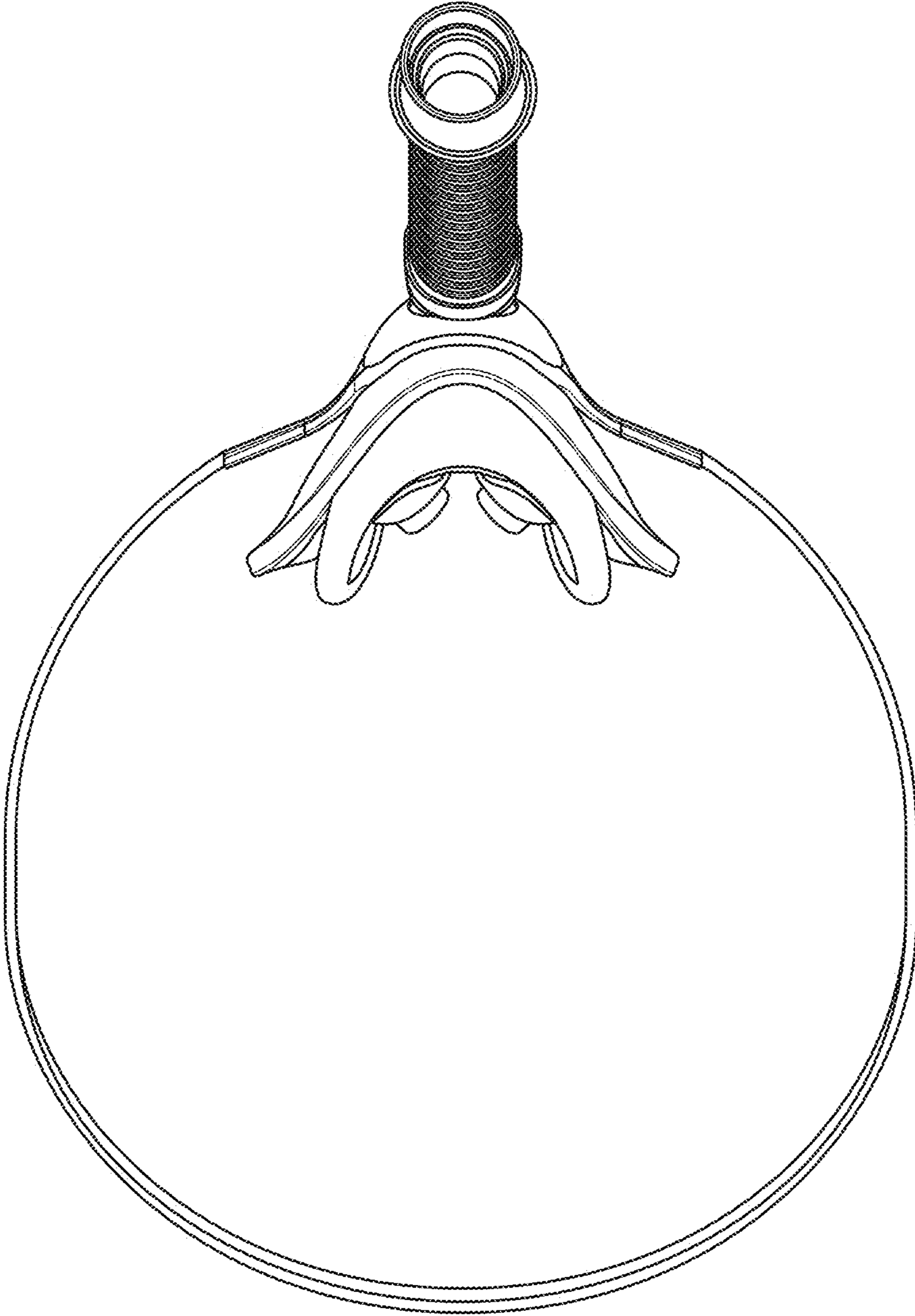


FIG. 4

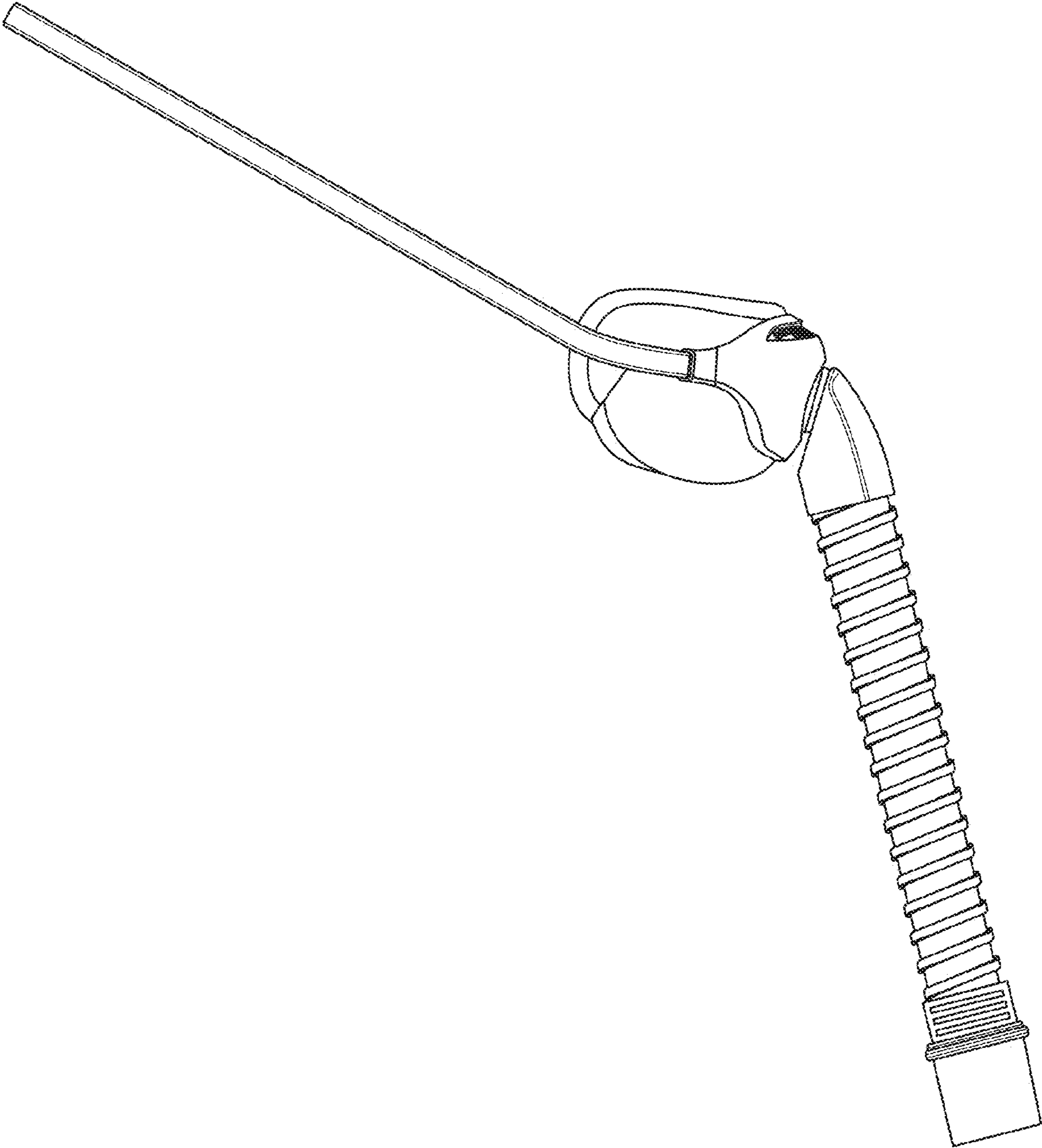


FIG. 5



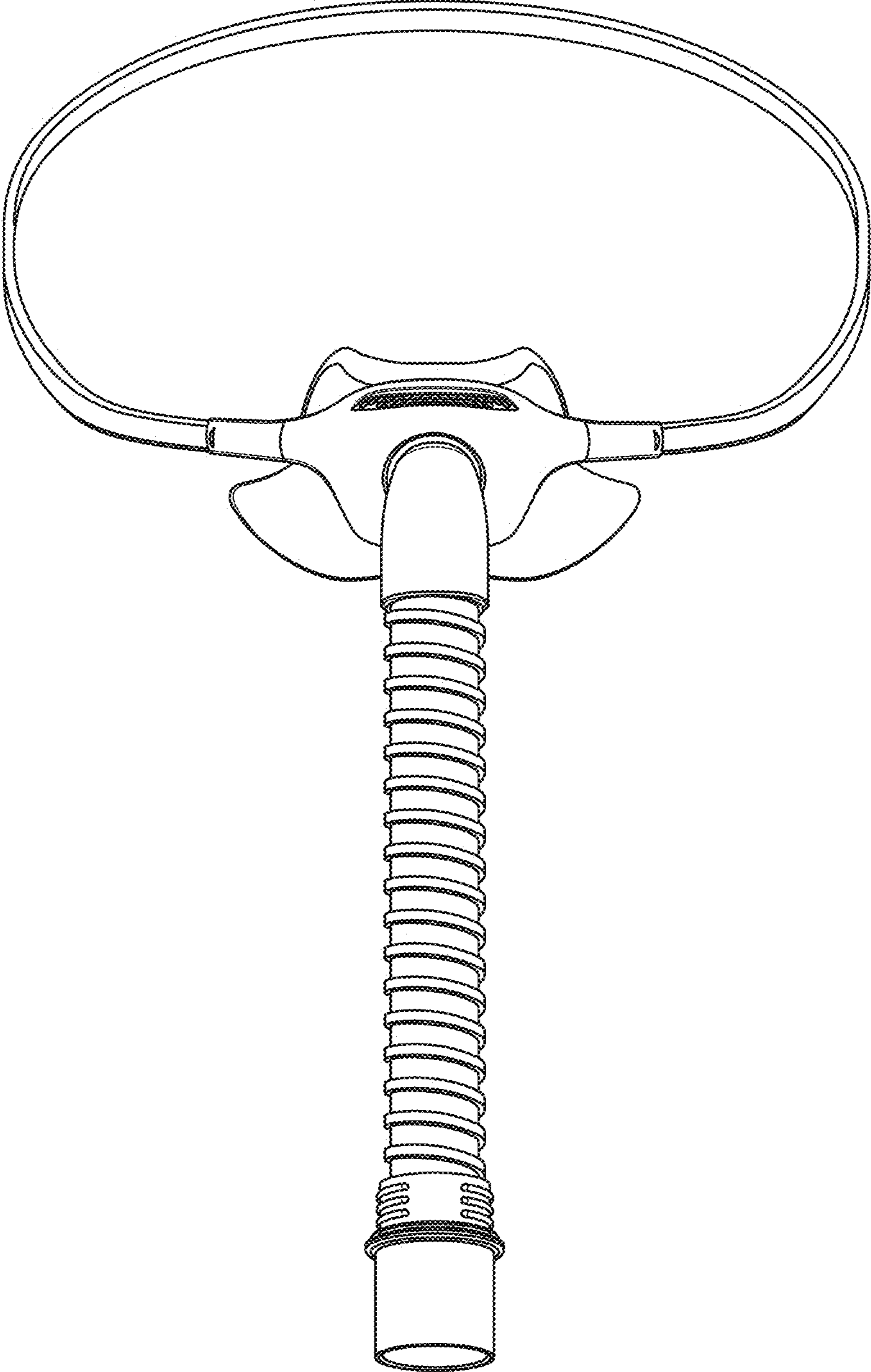


FIG. 6

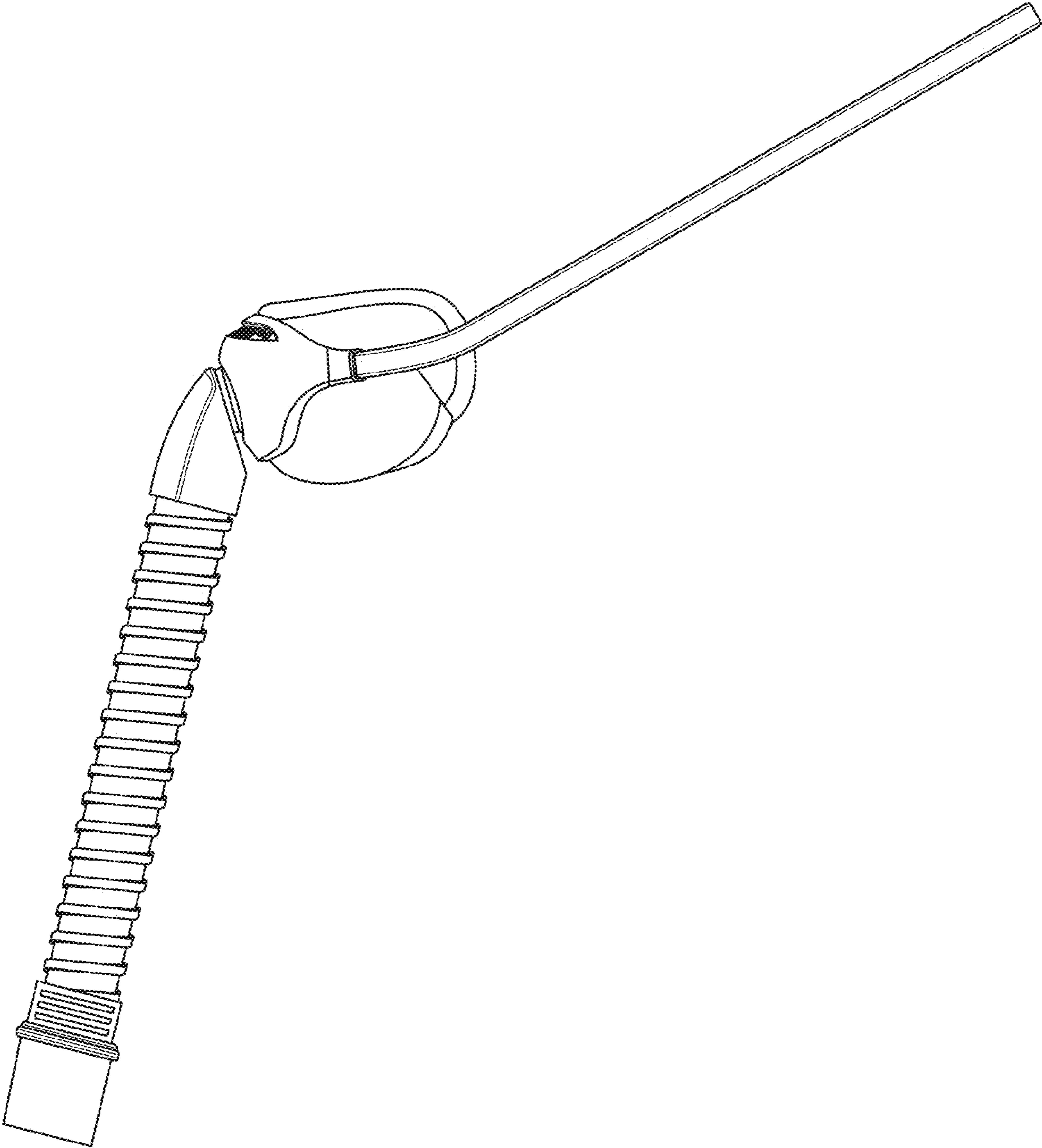


FIG. 7

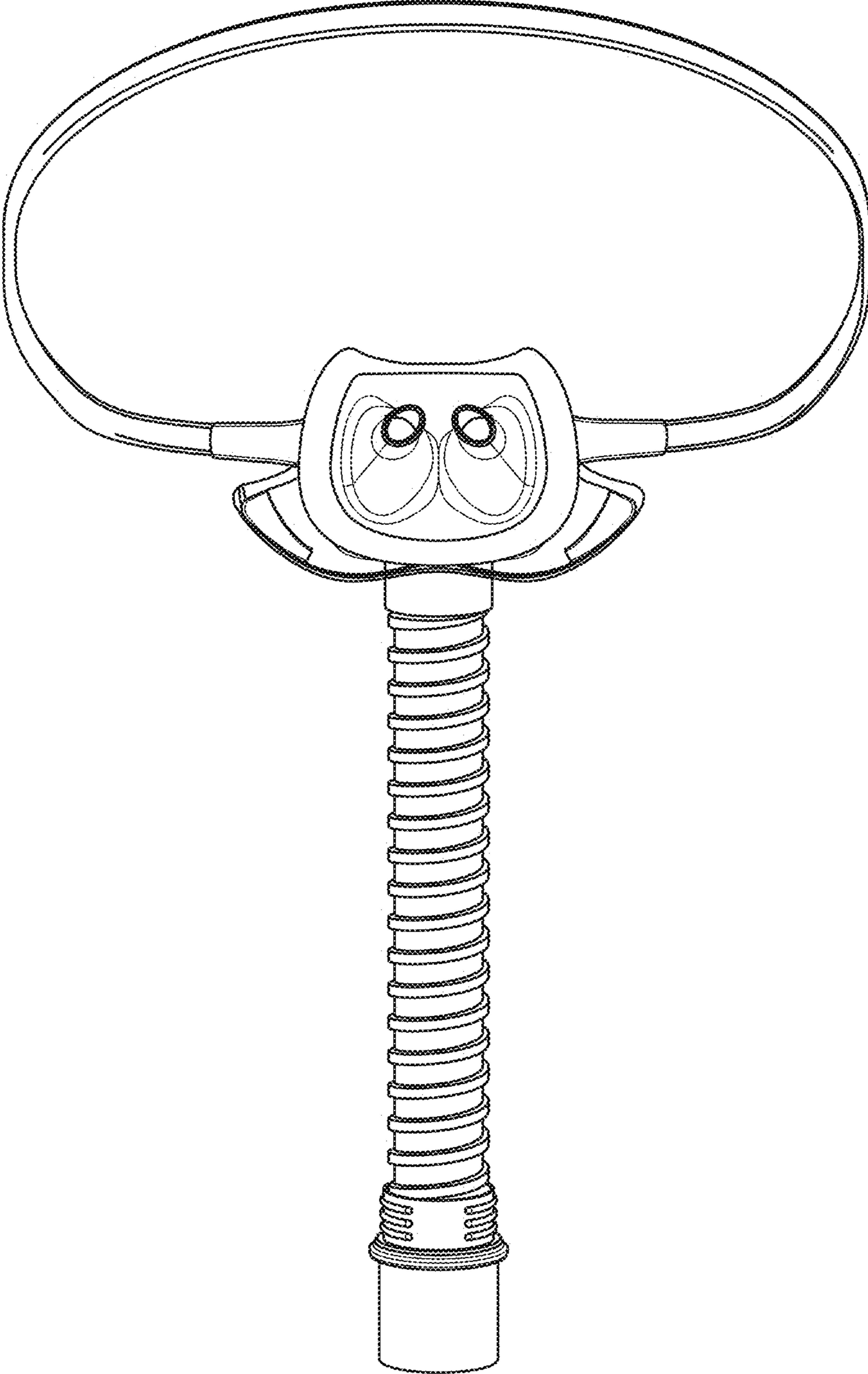


FIG. 8