



US00D760379S

(12) **United States Design Patent**  
**Smith et al.**

(10) **Patent No.:** **US D760,379 S**  
(45) **Date of Patent:** **\*\* Jun. 28, 2016**

(54) **HEADGEAR CONNECTOR FOR PATIENT INTERFACE**

(71) Applicant: **ResMed Limited**, Bella Vista, New South Wales (AU)

(72) Inventors: **Christopher James Smith**, Sydney (AU); **Thomas Kirby**, Sydney (AU)

(73) Assignee: **ResMed Limited**, Bella Vista (AU)

(\*\*) Term: **14 Years**

(21) Appl. No.: **29/480,985**

(22) Filed: **Jan. 31, 2014**

(51) **LOC (10) Cl.** ..... **29-02**

(52) **U.S. Cl.**  
USPC ..... **D24/110.4; D24/127**

(58) **Field of Classification Search**

USPC ..... D24/110–110.6, 127  
CPC ..... A61M 16/0622; A61M 16/0616;  
A61M 16/0816; A61M 16/08; A61M 16/0633;  
A61M 16/06; A61M 16/0666; A61M  
2210/0618; A61M 16/0683  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 5,394,568 A \* 3/1995 Brostrom ..... A62B 18/084  
128/207.11
- D383,204 S \* 9/1997 Lomas ..... D24/110
- D496,726 S \* 9/2004 Amarasinghe ..... D24/110
- D532,511 S \* 11/2006 Amarasinghe ..... D24/110
- D532,512 S \* 11/2006 Amarasinghe ..... D24/110
- D540,940 S \* 4/2007 Amarasinghe ..... D24/110
- D561,332 S \* 2/2008 Amarasinghe ..... D24/110
- 7,802,573 B2 \* 9/2010 Amarasinghe .... A61M 16/0683  
128/206.21
- D679,799 S \* 4/2013 D'Souza ..... D24/110
- 8,517,023 B2 \* 8/2013 Henry ..... A61M 16/06  
128/205.25
- D693,459 S \* 11/2013 Prentice ..... D24/110.1
- D694,875 S \* 12/2013 D'Souza ..... D24/110
- D695,887 S \* 12/2013 Ozolins ..... D24/110.4

- D707,349 S \* 6/2014 D'Souza ..... D24/110.1
- D740,934 S \* 10/2015 Formica ..... D24/110.1
- 2004/0065328 A1 \* 4/2004 Amarasinghe ..... A61M 16/06  
128/206.27

(Continued)

*Primary Examiner* — Barbara Fox  
*Assistant Examiner* — Lilyana Bekic

(74) *Attorney, Agent, or Firm* — Nixon & Vanderhye P.C.

(57) **CLAIM**

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

**DESCRIPTION**

FIG. 1 is a perspective view of a headgear connector for patient interface showing the first embodiment in a position of use, according to our new design;

FIG. 2 is an enlarged perspective view thereof in isolation;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a top view thereof;

FIG. 6 is a bottom view thereof;

FIG. 7 is a right side view thereof;

FIG. 8 is a left side view thereof;

FIG. 9 is a perspective view of a headgear connector for patient interface showing the second embodiment in a position of use, according to our new design;

FIG. 10 is an enlarged perspective view thereof in isolation;

FIG. 11 is a front view thereof;

FIG. 12 is a rear view thereof;

FIG. 13 is a top view thereof;

FIG. 14 is a bottom view thereof;

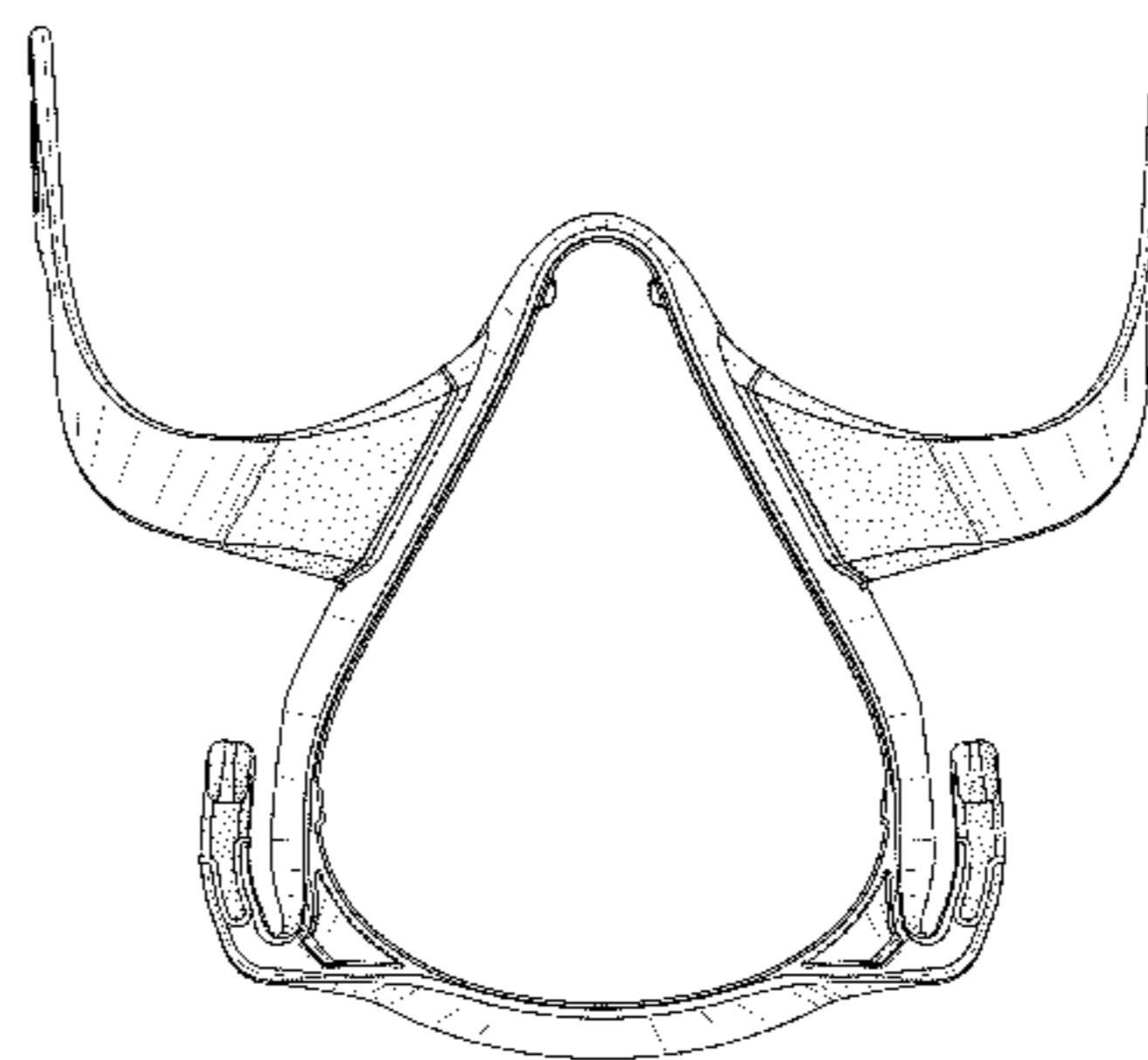
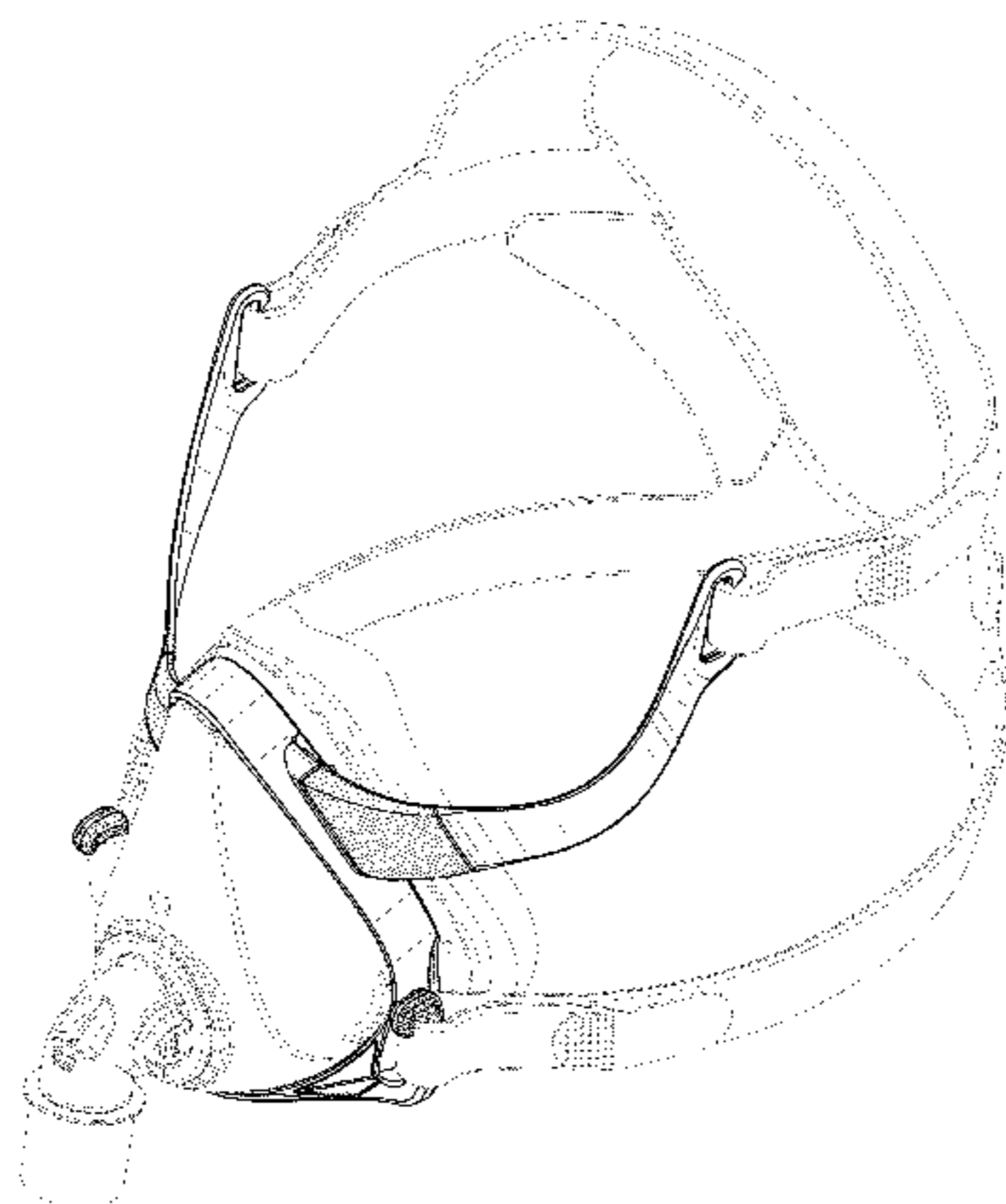
FIG. 15 is a right side view thereof; and,

FIG. 16 is a left side view thereof.

The broken line showing of the patient interface in FIGS. 1 and 9 illustrates the environment of the claimed design and forms no part thereof. The broken lines in FIGS. 4 and 12 illustrate portions of the headgear connector for patient interface which form no part of the claimed design.

Line shading and stippling have been used in the drawings to indicate a contrast in appearance.

**1 Claim, 14 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2007/0235033	A1*	10/2007	Reier	.....	A62B 18/084	128/207.11
2009/0178680	A1*	7/2009	Chang	.....	A62B 18/084	128/206.27
2009/0250065	A1*	10/2009	Omura	.....	A61M 16/0683	128/207.11
2010/0319700	A1*	12/2010	Ng	.....	A61M 16/06	128/206.28
2012/0138063	A1*	6/2012	Eves	.....	A61M 16/0683	128/206.24

\* cited by examiner

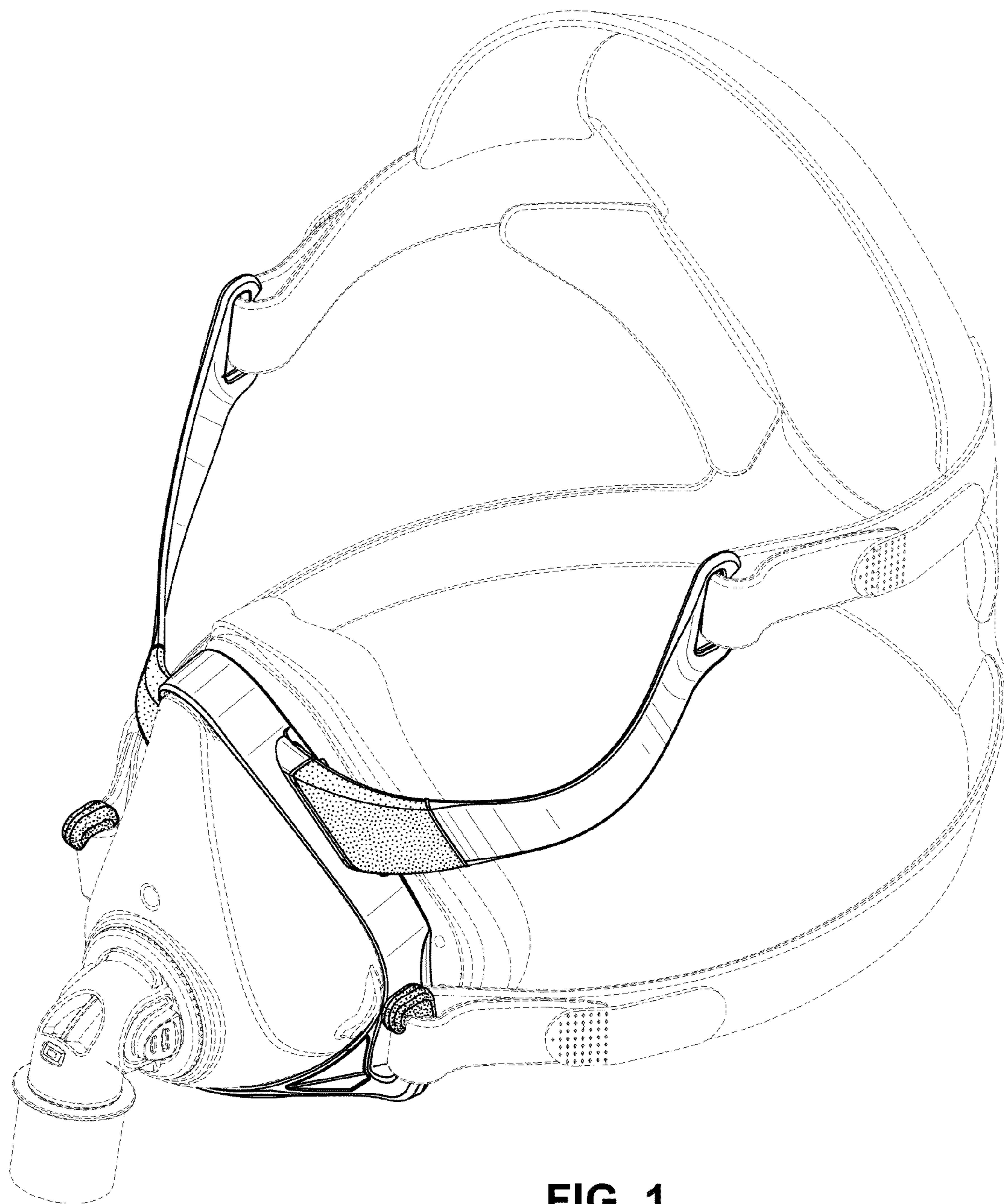


FIG. 1

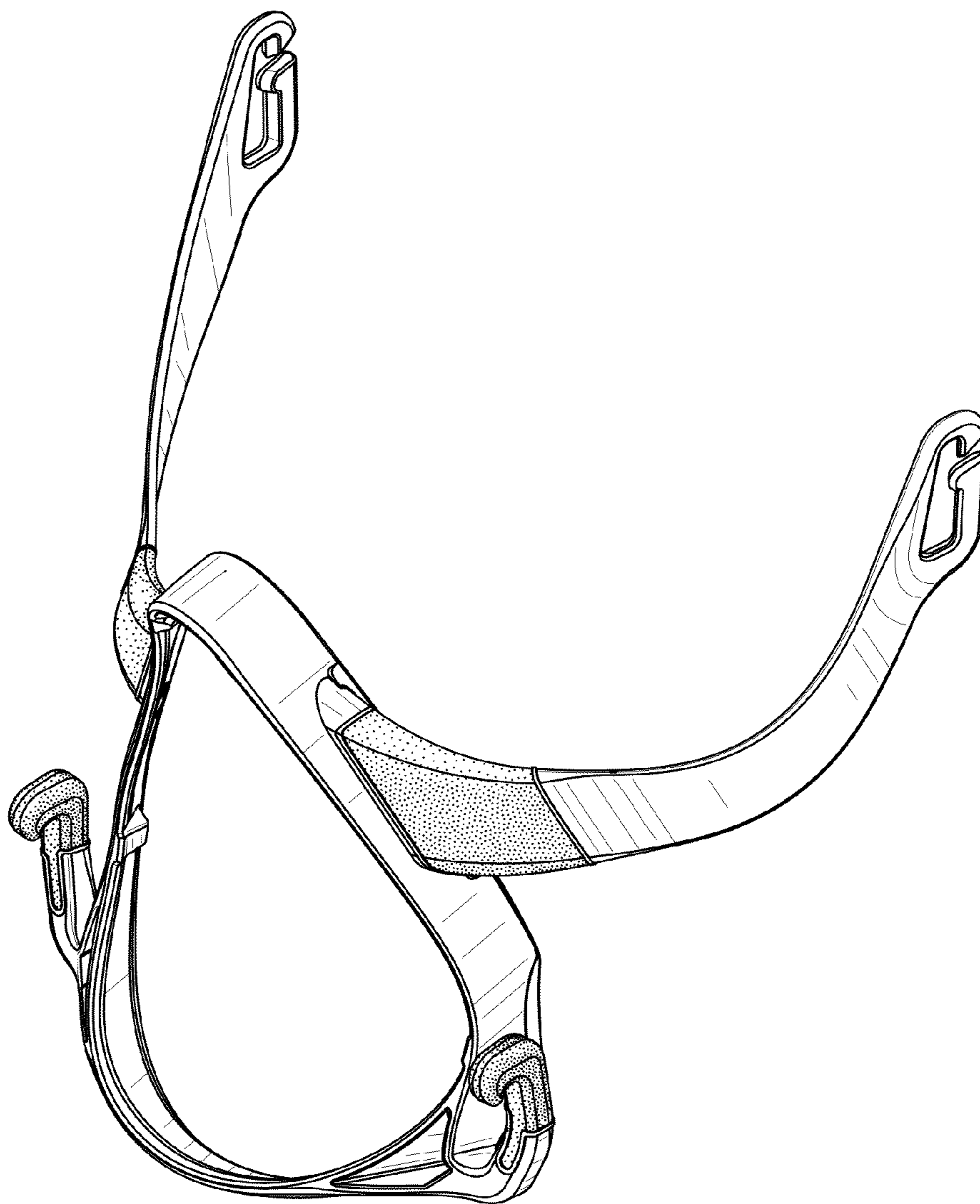


FIG. 2

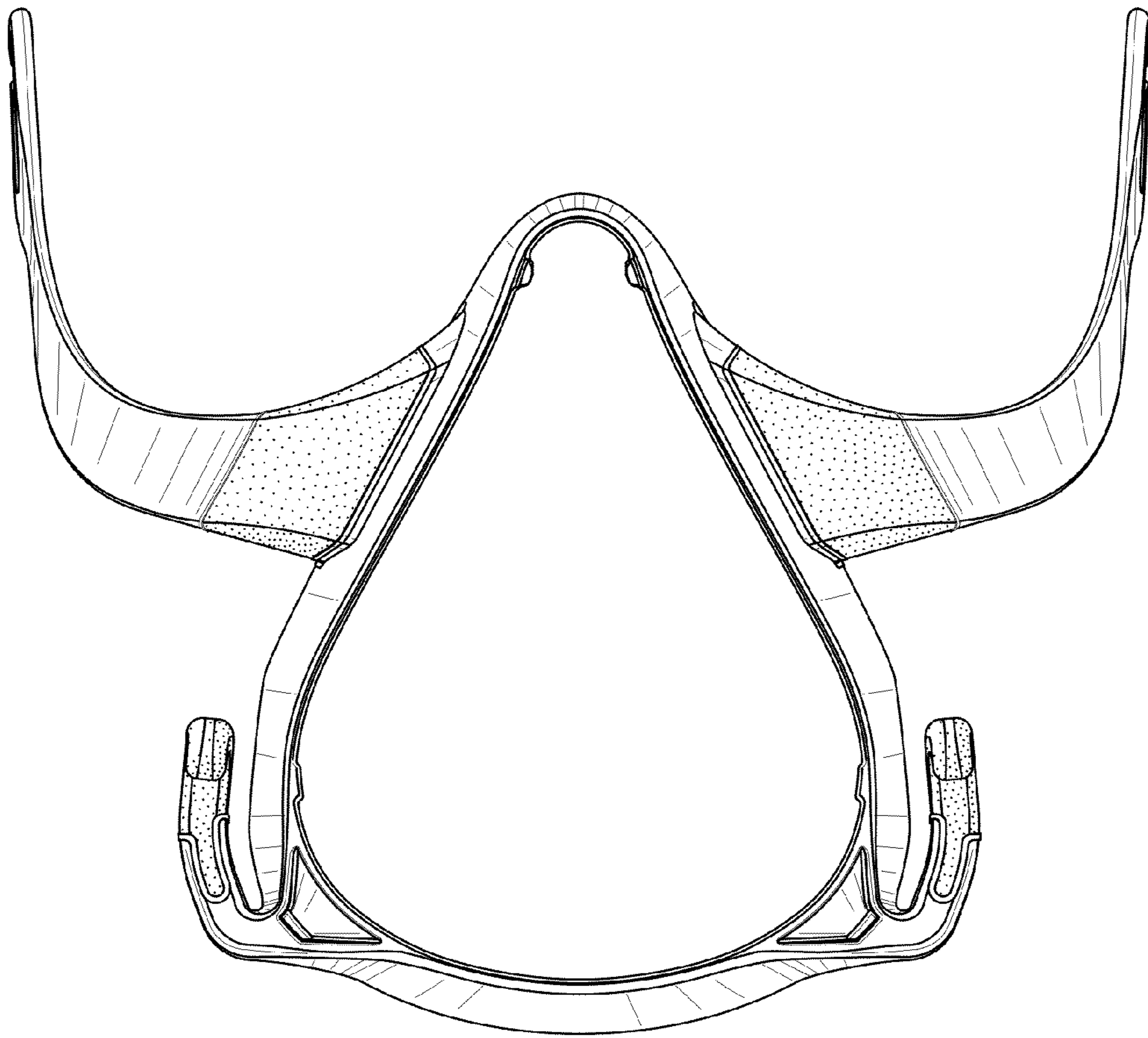


FIG. 3

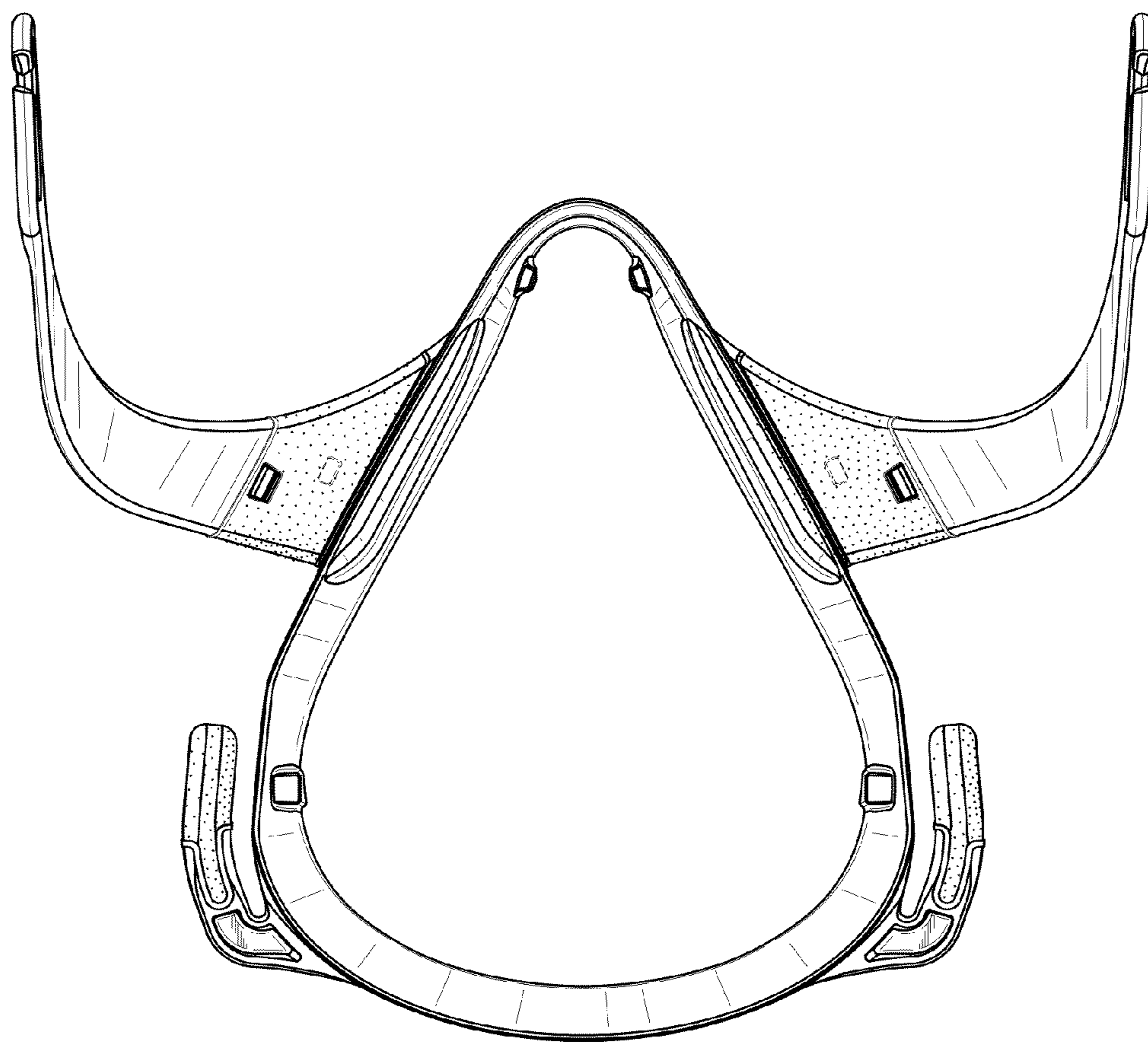


FIG. 4

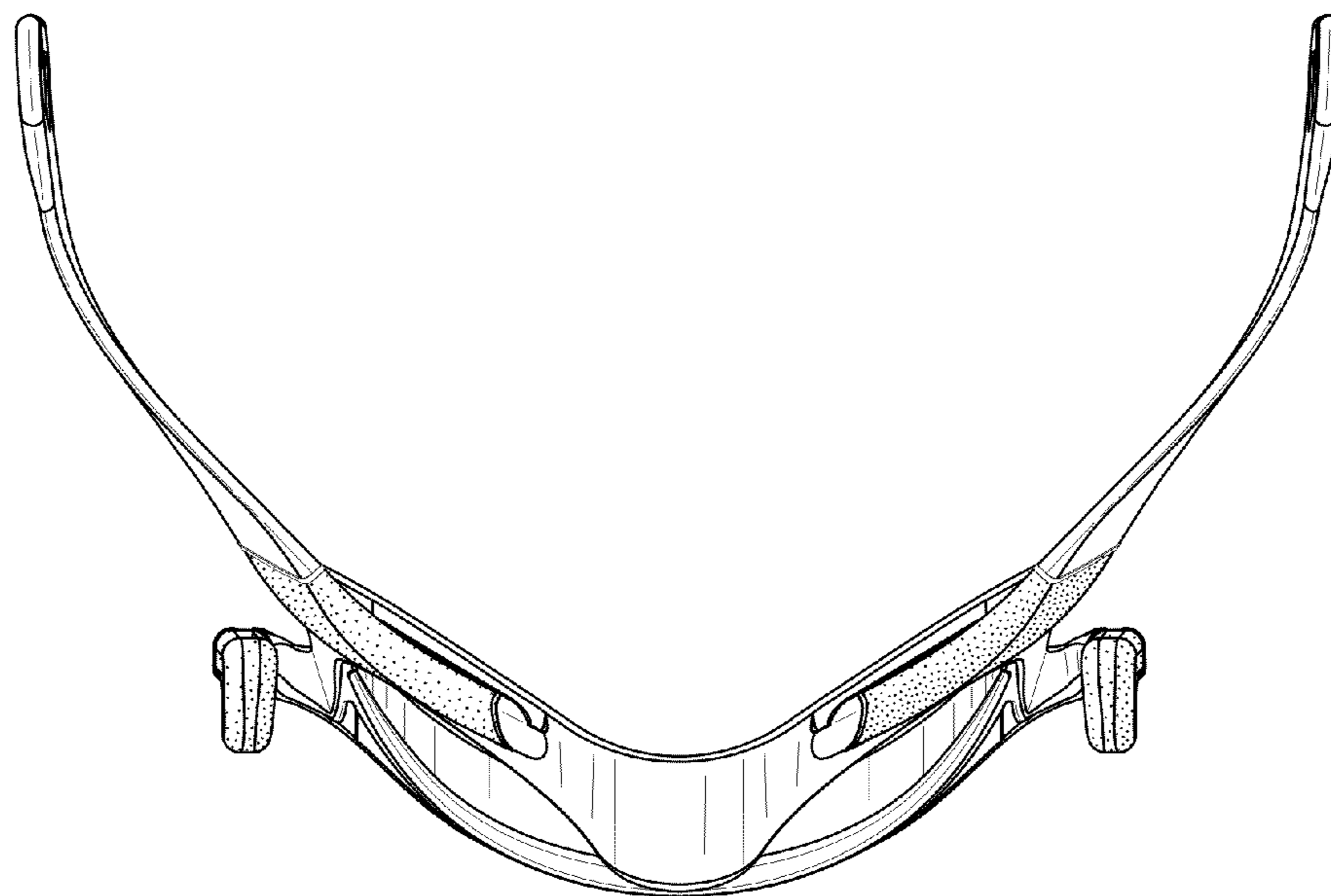


FIG. 5

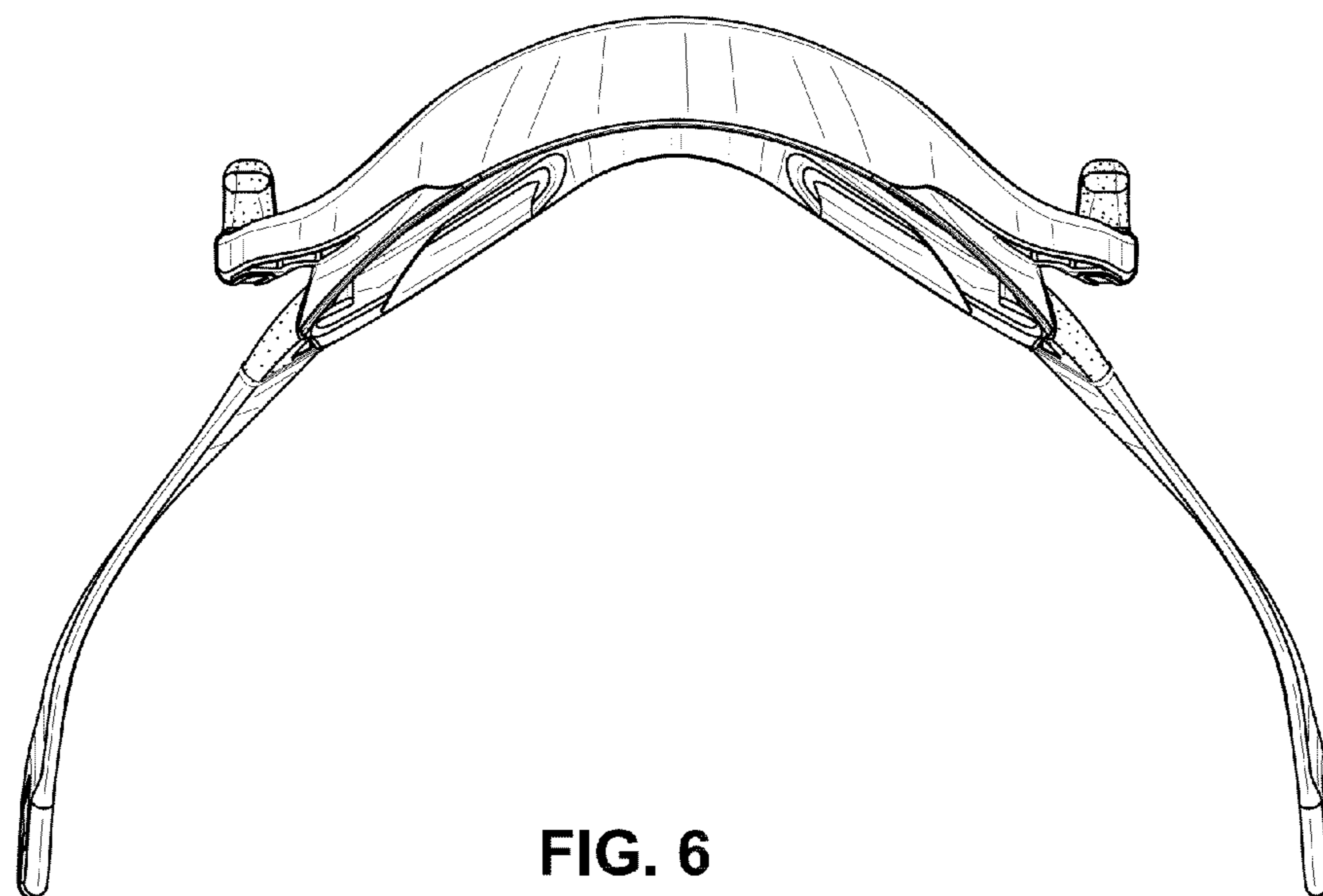


FIG. 6

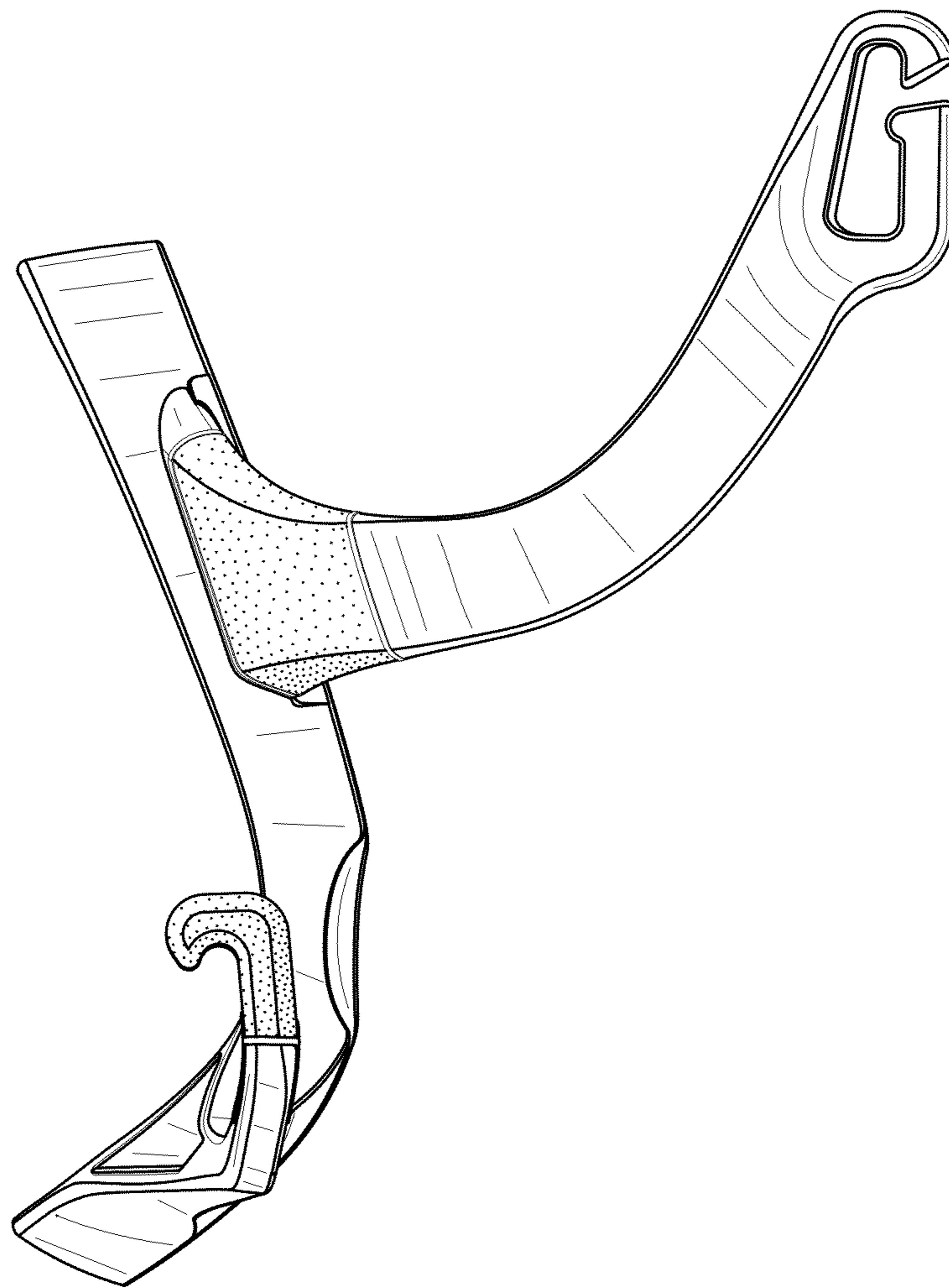


FIG. 7



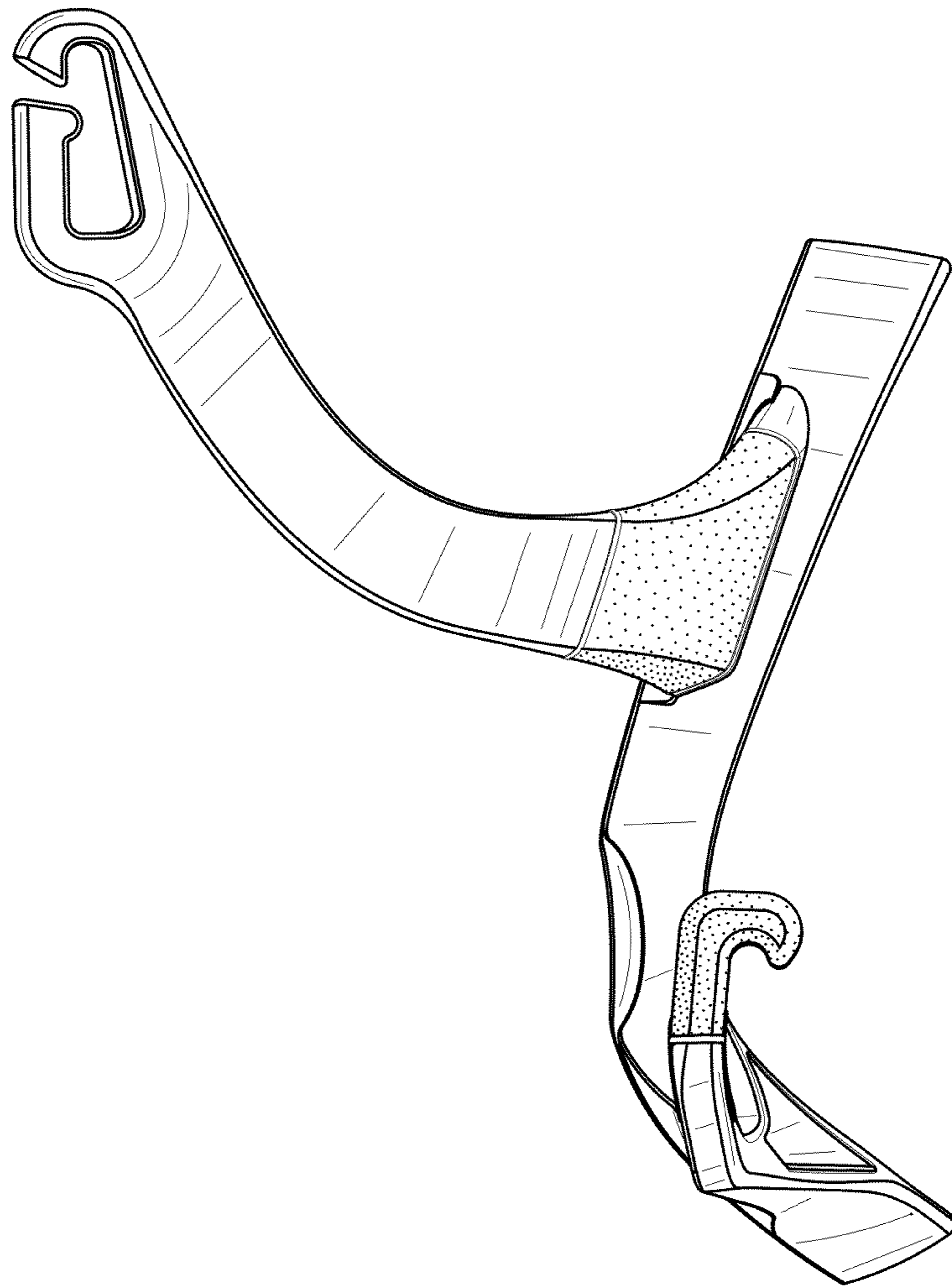


FIG. 8

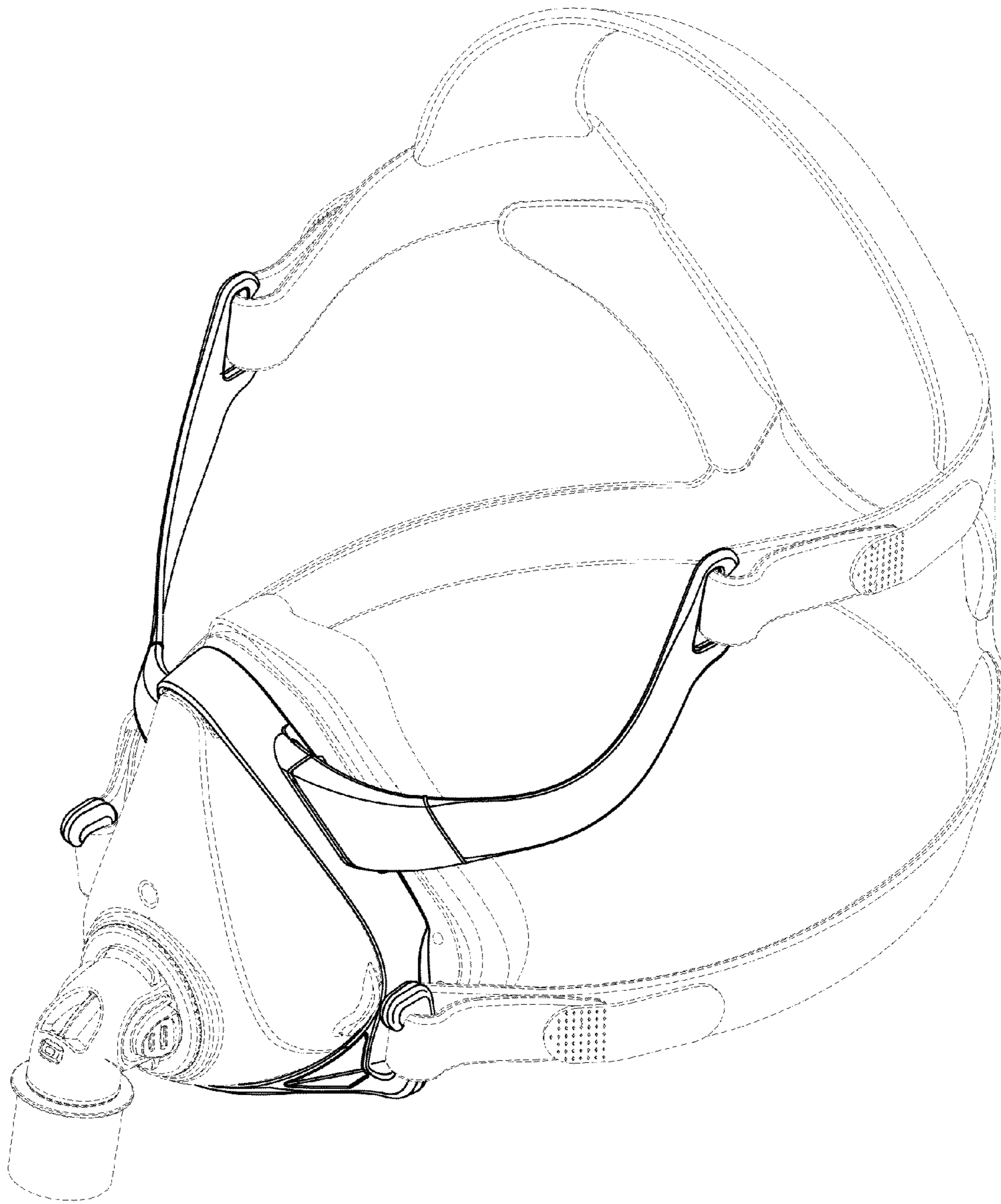


FIG. 9

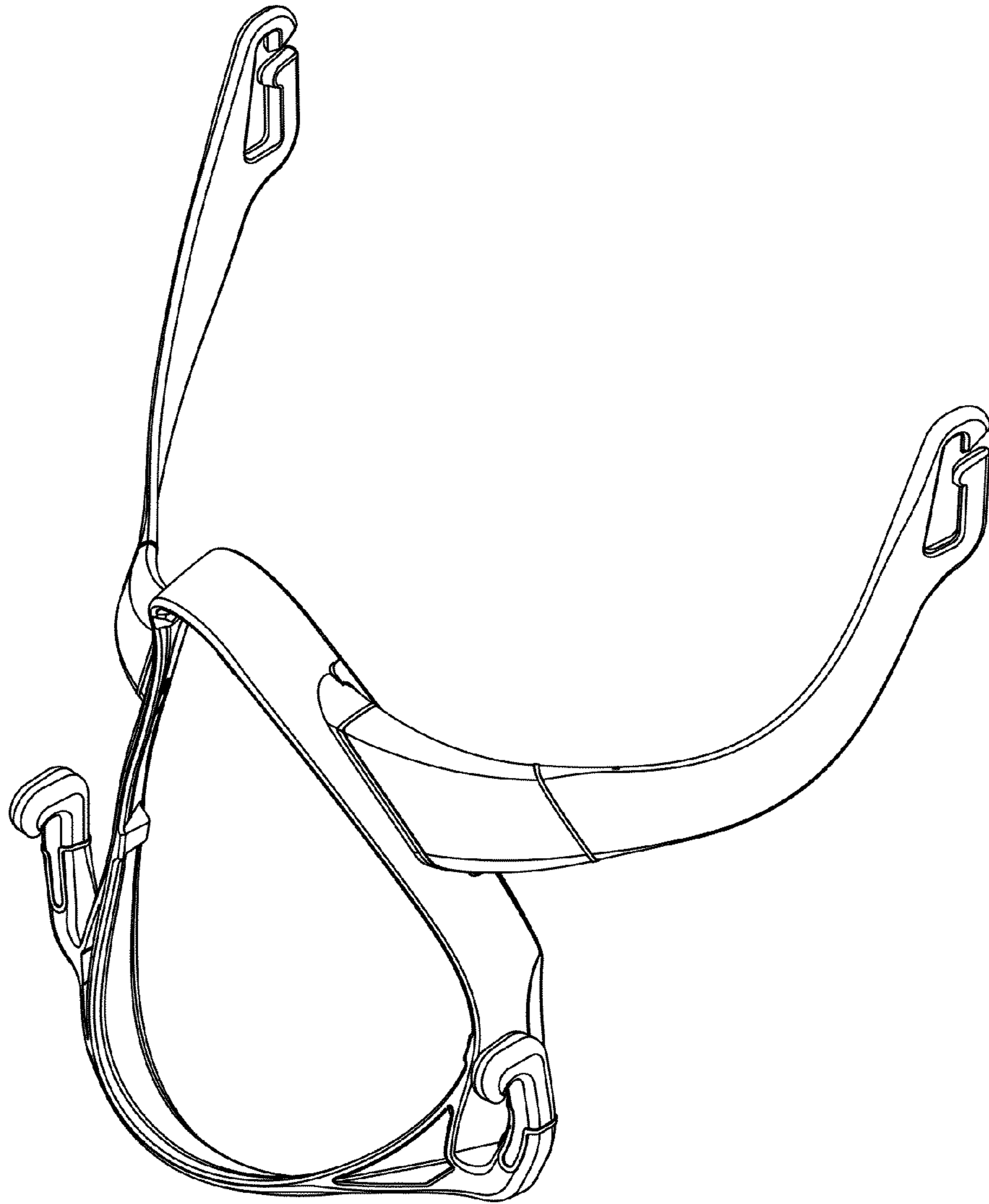


FIG. 10

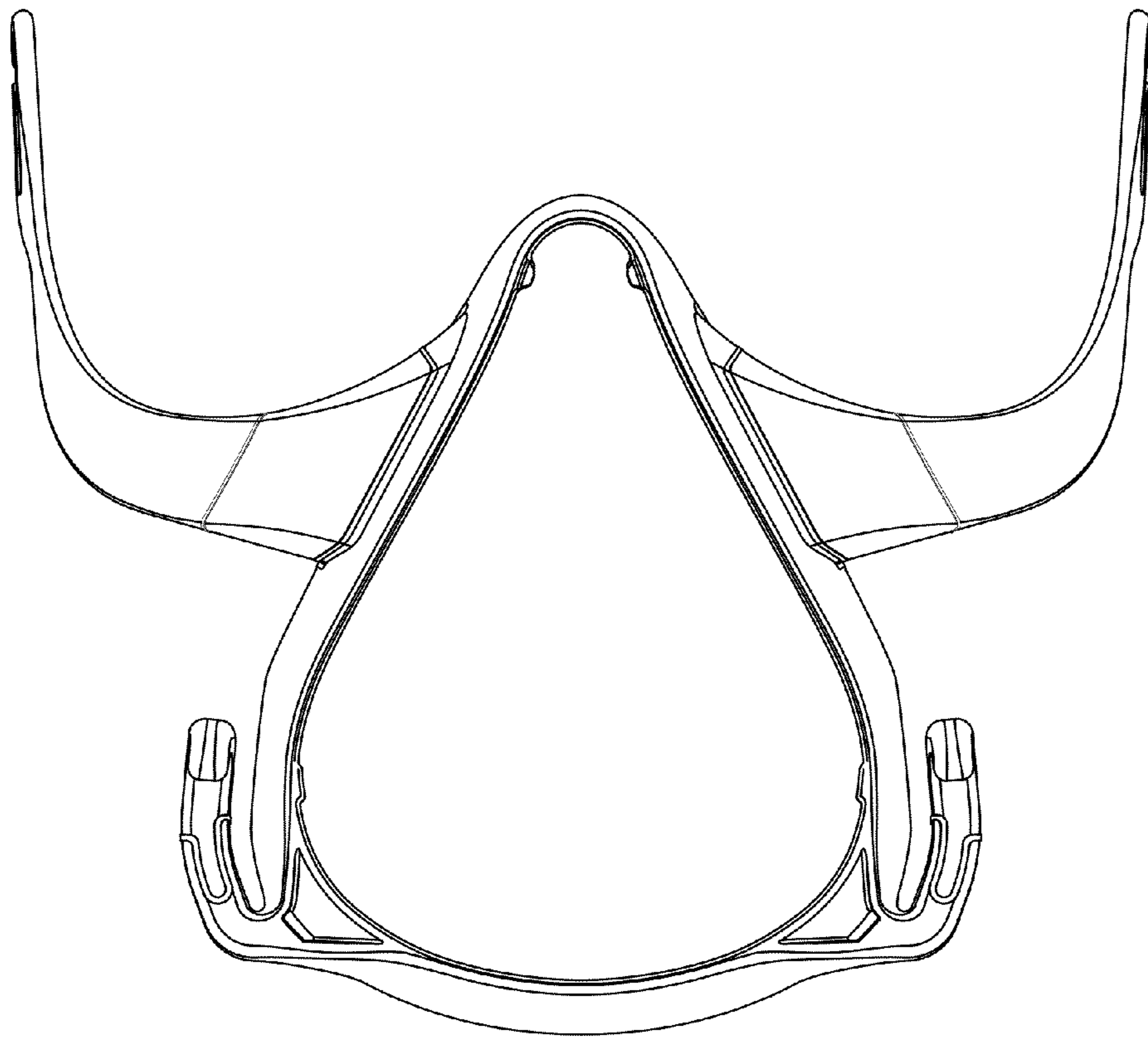


FIG. 11

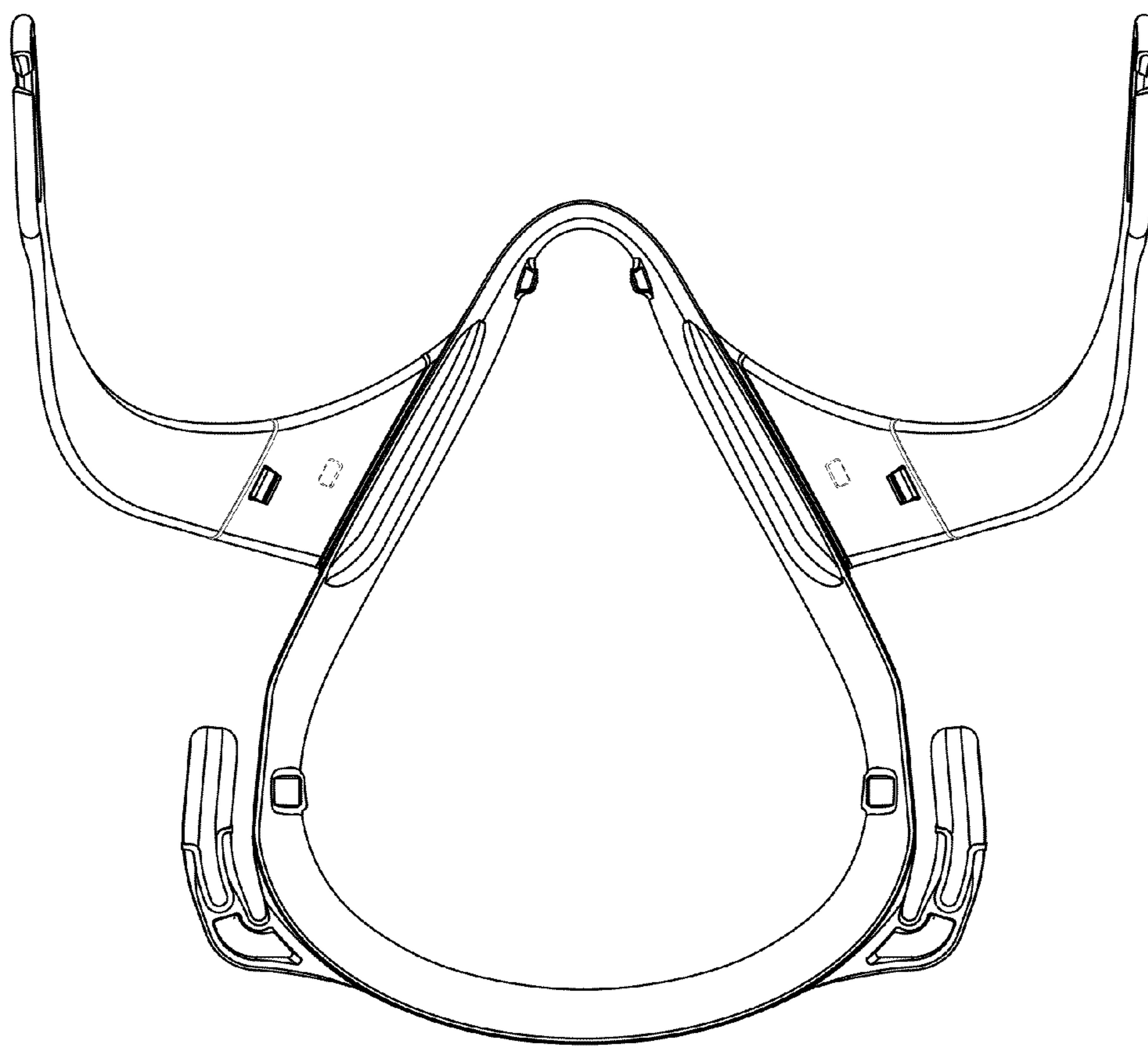


FIG. 12

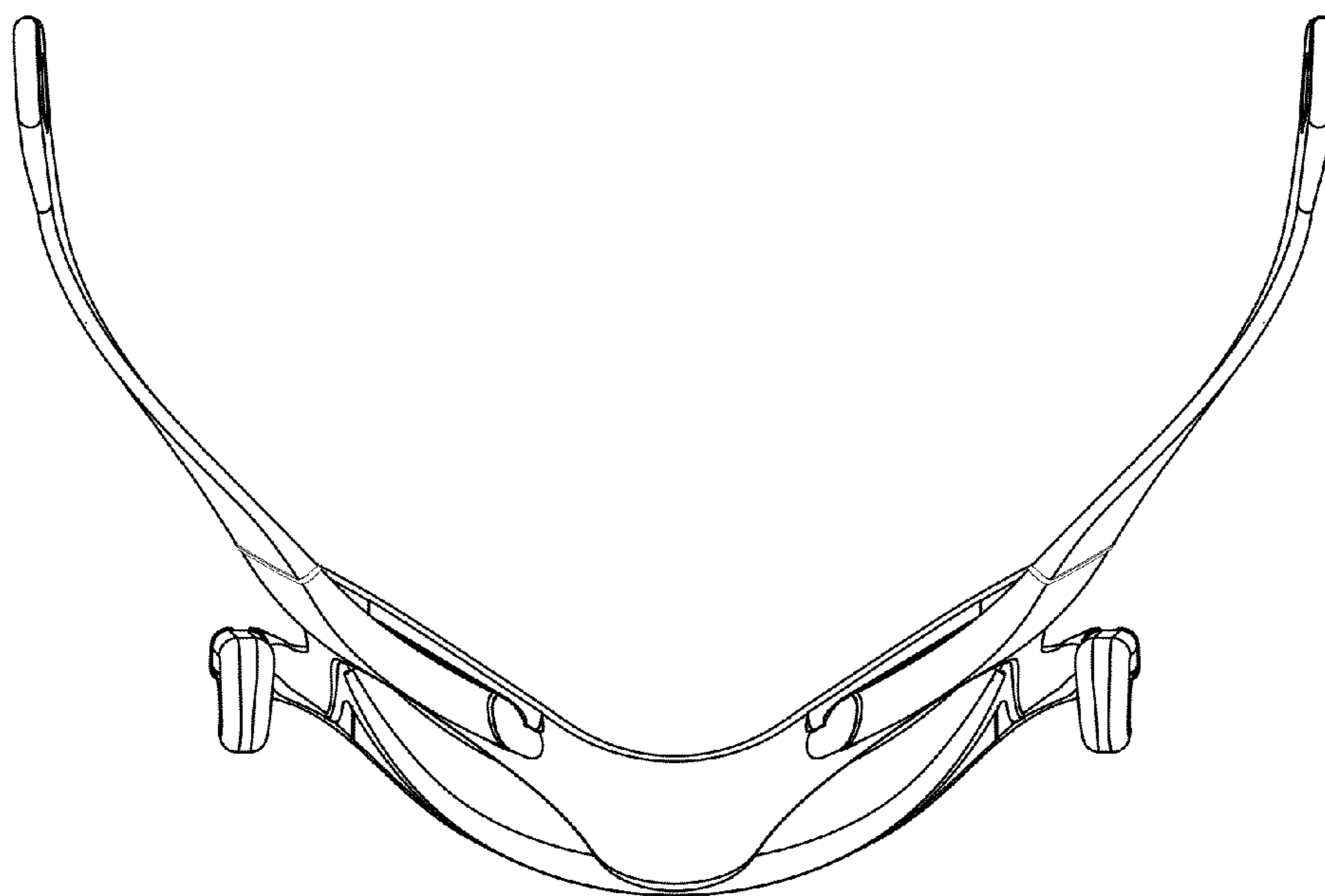


FIG. 13

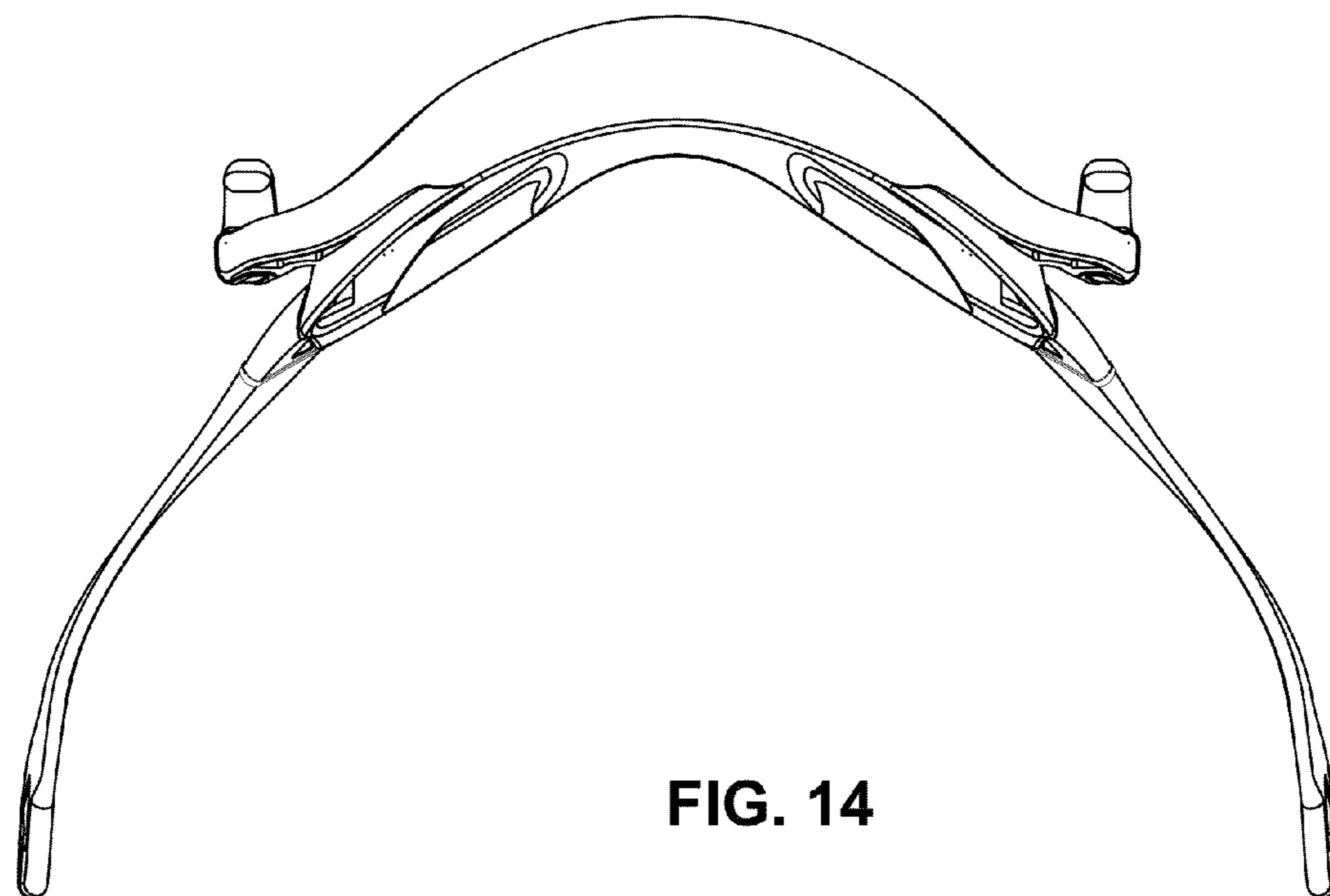


FIG. 14

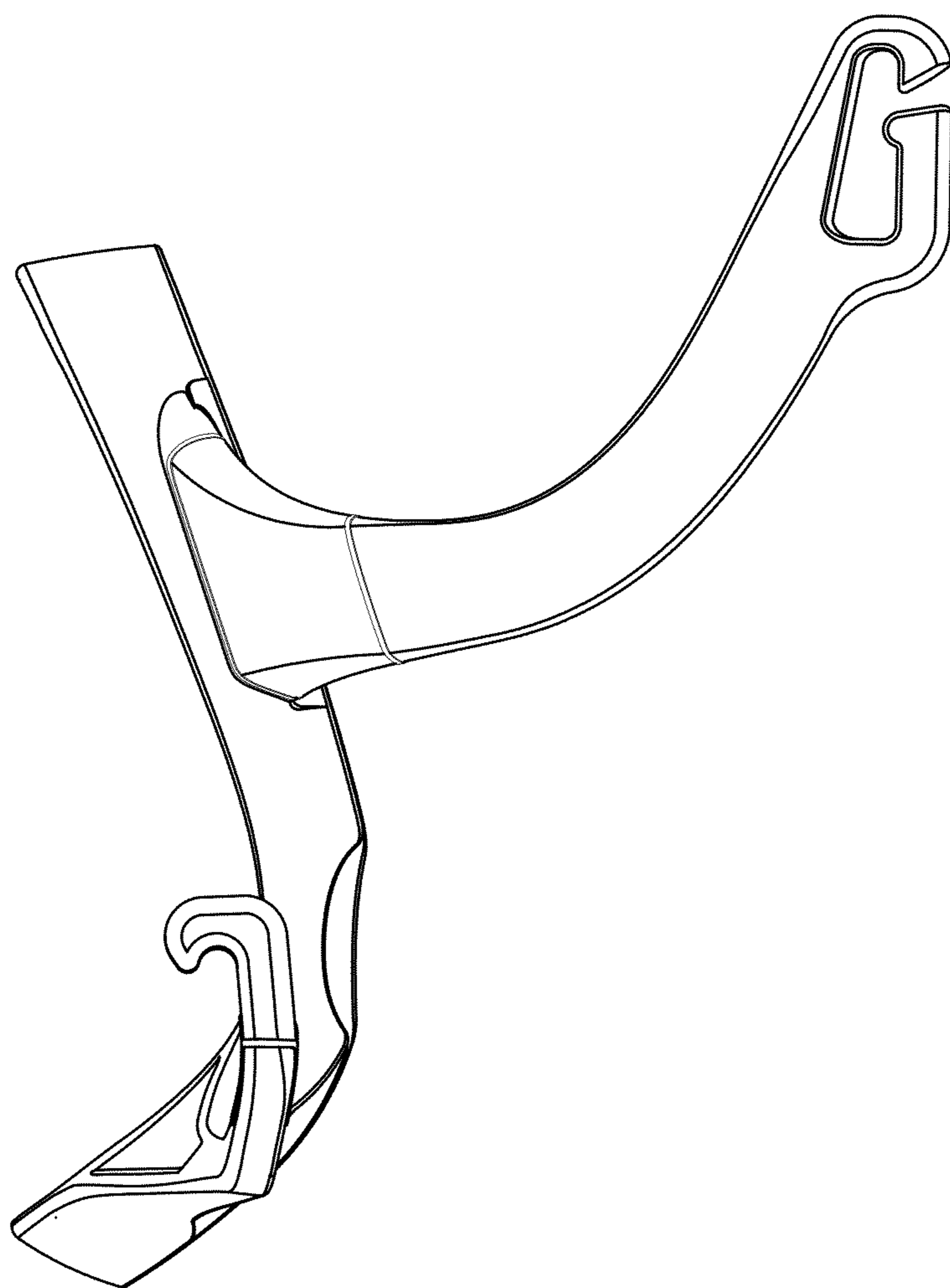


FIG. 15

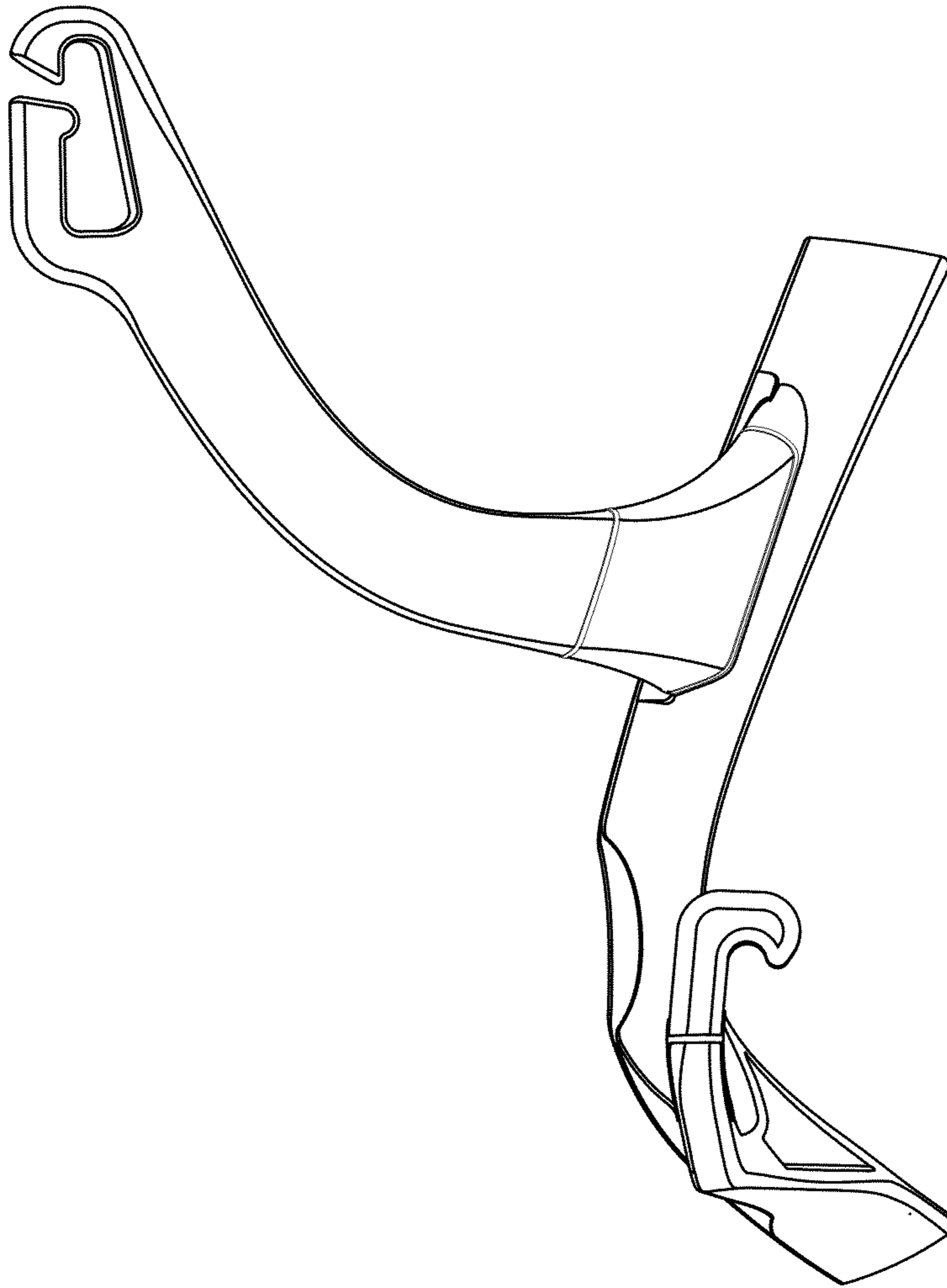


FIG. 16