



US00D930150S

(12) **United States Design Patent** (10) **Patent No.:** **US D930,150 S**  
**Manjunath et al.** (45) **Date of Patent:** **\*\* Sep. 7, 2021**

(54) **PATIENT INTERFACE**

FOREIGN PATENT DOCUMENTS

(71) Applicant: **ResMed Asia Pte Ltd**, Singapore (SG)

EP 2 140 902 A1 1/2020  
WO WO 2018/176094 A1 10/2018

(72) Inventors: **Vinay Manjunath**, Sydney (AU); **Chee Keong Ong**, Singapore (SG); **Lorenz Eberl**, Sydney (AU); **Craig David Edwards**, Sydney (AU); **Chuan Foong Lee**, Johor (MY); **Min Li Tee**, Singapore (SG); **Marvin Sugi Hartono**, Singapore (SG); **Michael Kenneth Truscott**, Sydney (AU); **Shannon Day**, Sydney (AU); **Nigel Paul Greig**, Sydney (AU); **Christopher Daniel Parker**, Sydney (AU)

OTHER PUBLICATIONS

Davidson et al., U.S. Appl. No. 62/764,992, filed Aug. 20, 201, entitled "Patient Interface".

*Primary Examiner* — Aula Soroush

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

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

(57) **CLAIM**

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

(21) Appl. No.: **29/702,629**

**DESCRIPTION**

(22) Filed: **Aug. 21, 2019**

(51) **LOC (13) Cl.** ..... **29-02**

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

(58) **Field of Classification Search**  
USPC ..... D24/110–110.6, 127, 129; D29/110  
CPC ..... A61M 16/0616; A61M 16/0633; A61M 16/06; A61M 16/0666; A61M 16/0683; A61M 16/0605; A61M 16/0622; A61M 16/0644; A61M 16/0875; A61M 16/0816; A61M 16/08; B63C 11/205; B63C 11/16; B63C 11/186; B63C 11/12

See application file for complete search history.

FIG. 1 is a front perspective view of a patient interface showing a first embodiment of our new design; FIG. 2 is a front elevation view thereof; FIG. 3 is a rear elevation view thereof; FIG. 4 is a top plan view thereof; FIG. 5 is a bottom plan view thereof; FIG. 6 is a left side elevation view thereof; FIG. 7 is a right side elevation view thereof; FIG. 8 is a front perspective view of a patient interface showing a second embodiment our new design; FIG. 9 is a front elevation view thereof; FIG. 10 is a rear elevation view thereof; FIG. 11 is a top plan view thereof; FIG. 12 is a bottom plan view thereof; FIG. 13 is a left side elevation view thereof; and, FIG. 14 is a right side elevation view thereof.

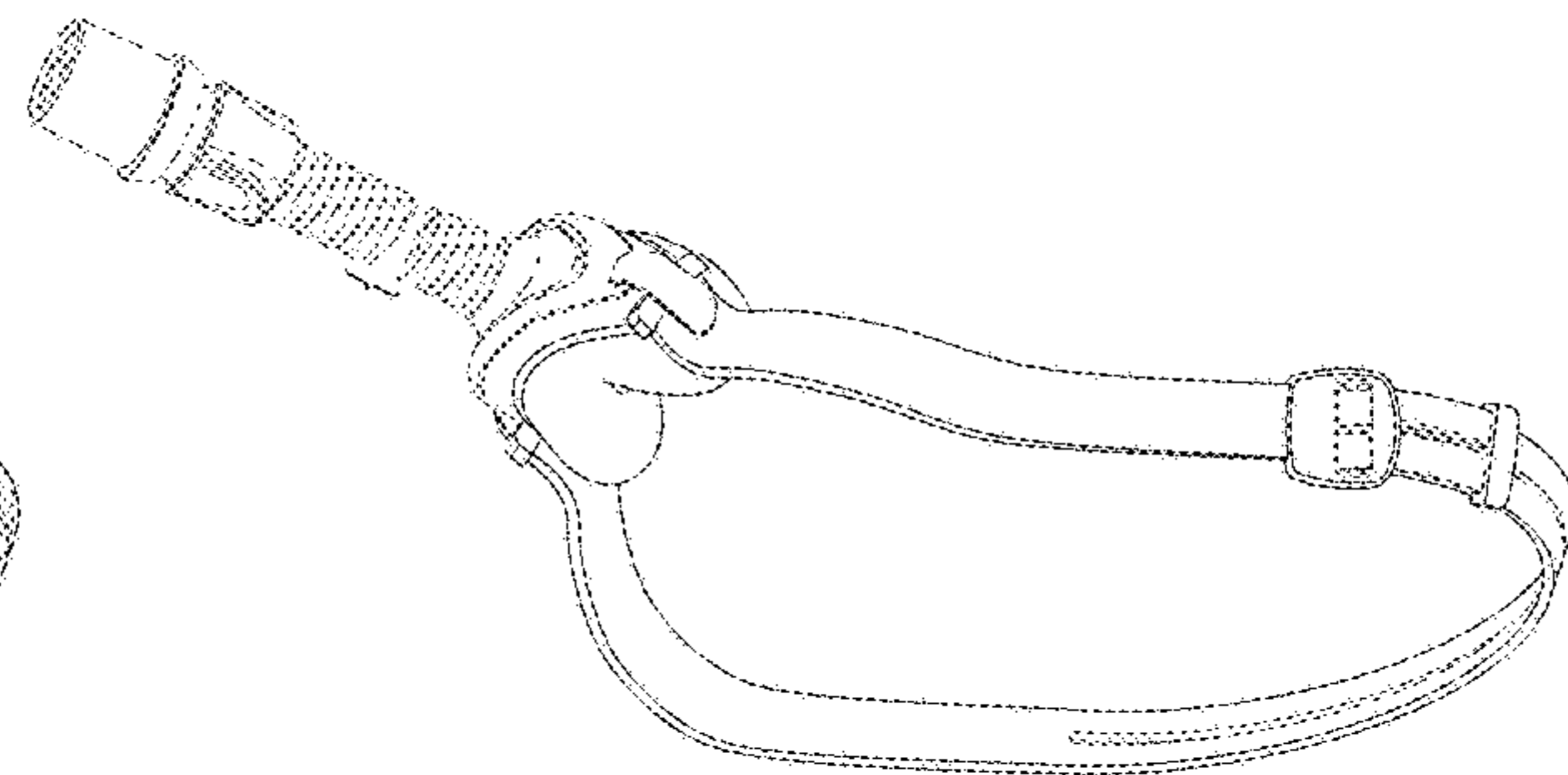
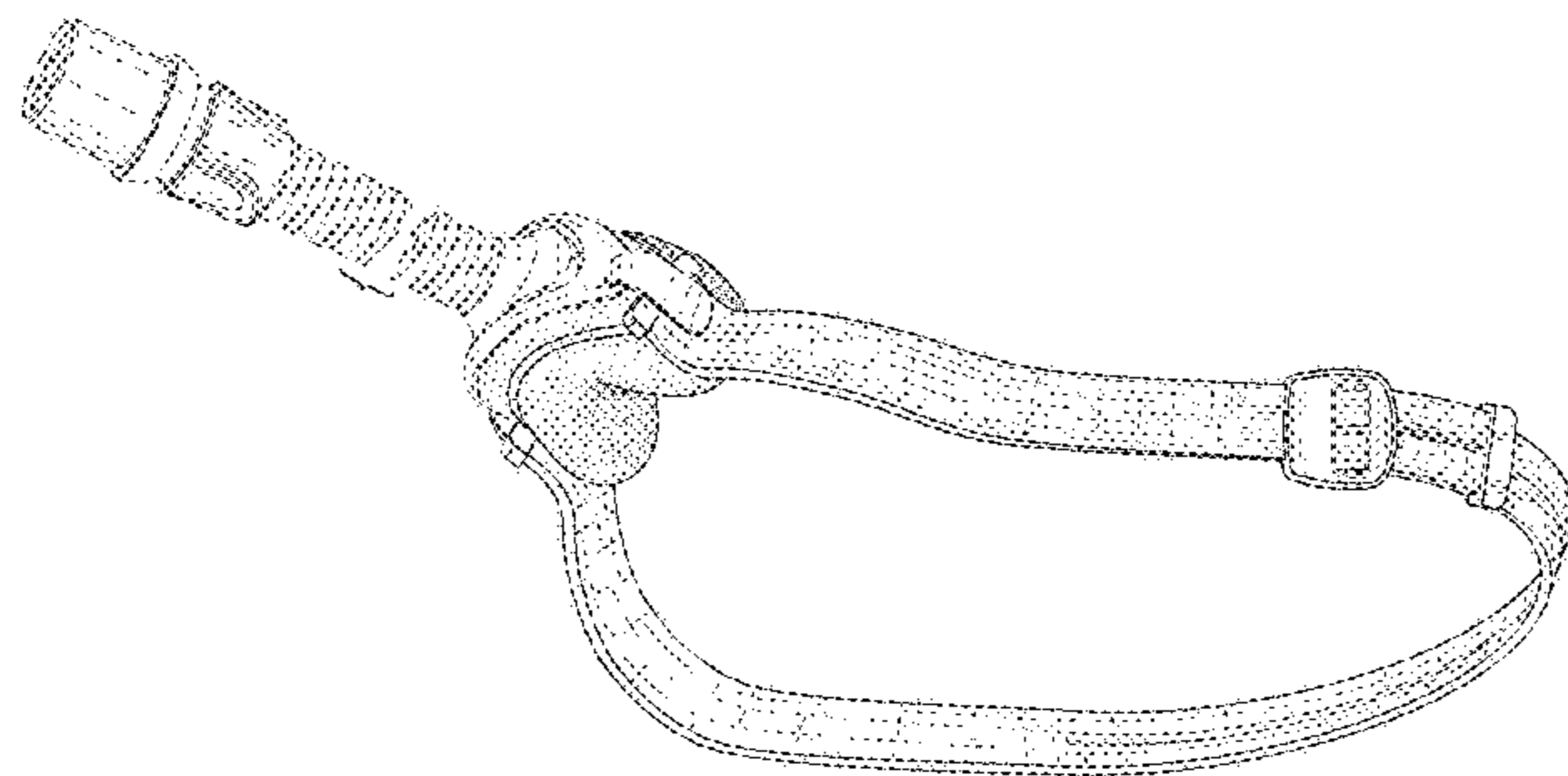
The broken lines in the drawings illustrate portions of the patient interface that form no part of the claimed design. The tube is shown in the figures with a symbolic break in its length. The appearance of any portion of the tube between the break lines forms no part of the claimed design.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,724,965 A 3/1998 Handke et al.  
6,412,488 B1 7/2002 Barnett et al.  
6,662,803 B2 12/2003 Gradon et al.  
8,397,727 B2 3/2013 Ng et al.  
8,534,285 B2\* 9/2013 Lee ..... A61M 16/0633  
128/206.25

**1 Claim, 10 Drawing Sheets**



(Continued)

(56)

References Cited

U.S. PATENT DOCUMENTS

8,573,201 B2 \* 11/2013 Rummery ..... A62B 9/04  
128/202.27

8,985,115 B2 3/2015 Baecke et al.

D771,238 S \* 11/2016 Scheiner ..... D24/110.1

D787,662 S \* 5/2017 Guney ..... D24/110.4

9,784,387 B2 \* 10/2017 Kaye ..... F16L 33/34

9,802,015 B2 \* 10/2017 Virr ..... A61M 16/1095

D808,516 S \* 1/2018 Edwards ..... D24/110.4

9,872,967 B2 \* 1/2018 Sims ..... A61M 16/024

9,889,267 B2 2/2018 Wells et al.

9,903,371 B2 \* 2/2018 Row ..... A61M 16/0816

9,974,915 B2 5/2018 Haskard et al.

10,105,510 B2 \* 10/2018 Buechi ..... A61M 16/1065

D865,158 S \* 10/2019 Khera ..... D24/110.4

D878,546 S \* 3/2020 Formica ..... D24/110

D880,686 S \* 4/2020 Stoks ..... D24/110

2005/0155604 A1 \* 7/2005 Ging ..... A44B 11/266  
128/206.21

2007/0181130 A1 \* 8/2007 Worley ..... A61M 16/0875  
128/207.14

2010/0116272 A1 \* 5/2010 Row ..... F04D 1/00  
128/204.17

2012/0204878 A1 8/2012 Smith et al.

2012/0227738 A1 \* 9/2012 Virr ..... A61M 16/0051  
128/204.21

2015/0352306 A1 12/2015 Scheiner et al.

2016/0051784 A1 \* 2/2016 Eury ..... A61M 16/0666  
128/207.18

2016/0151596 A1 \* 6/2016 Slight ..... A61M 16/06  
128/207.18

2016/0213878 A1 \* 7/2016 Browning, Jr. .... A61M 16/06

2016/0296720 A1 10/2016 Henry et al.

2017/0100556 A1 \* 4/2017 Munkelt ..... A61M 16/0808

\* cited by examiner

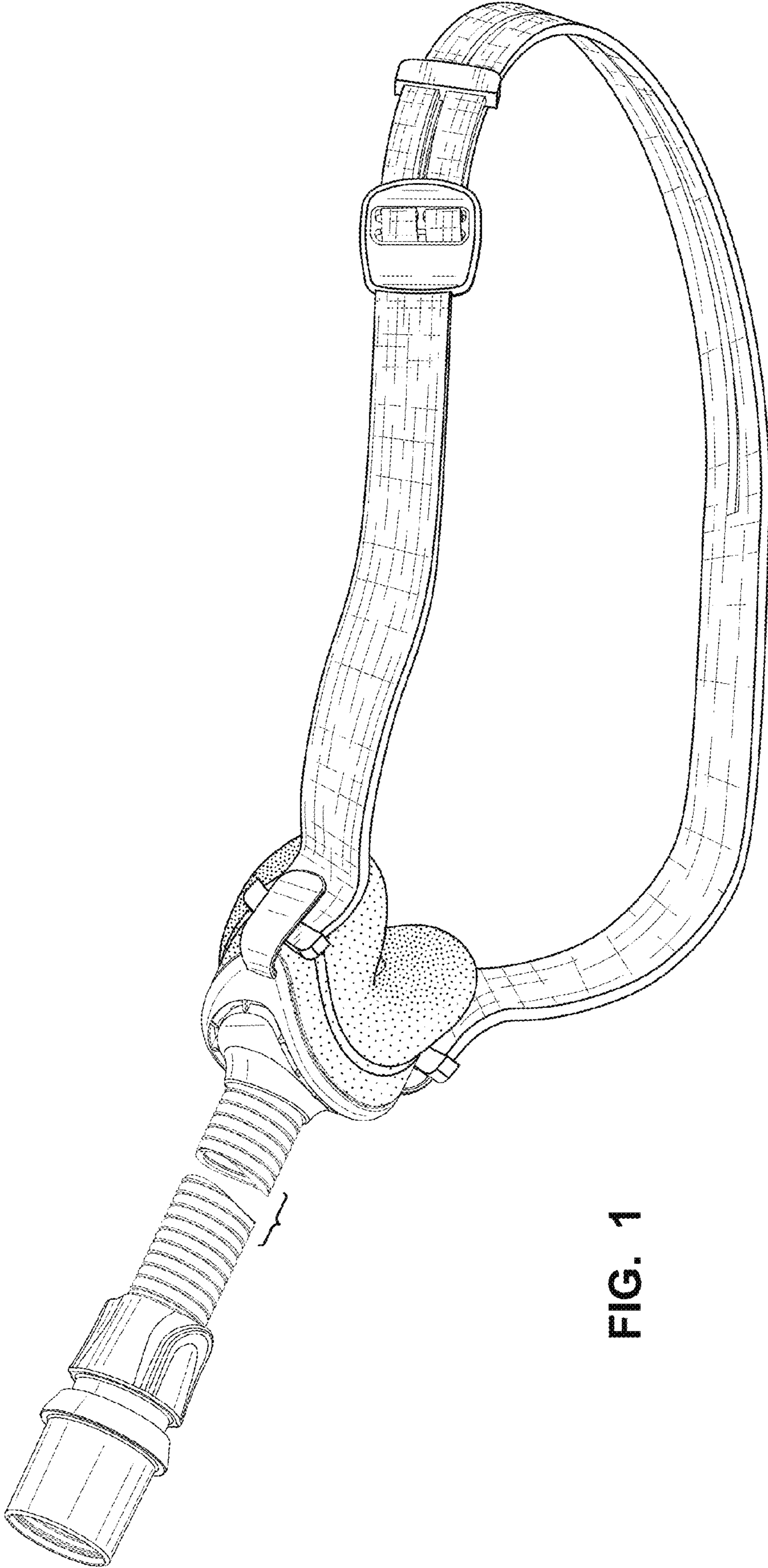


FIG. 1

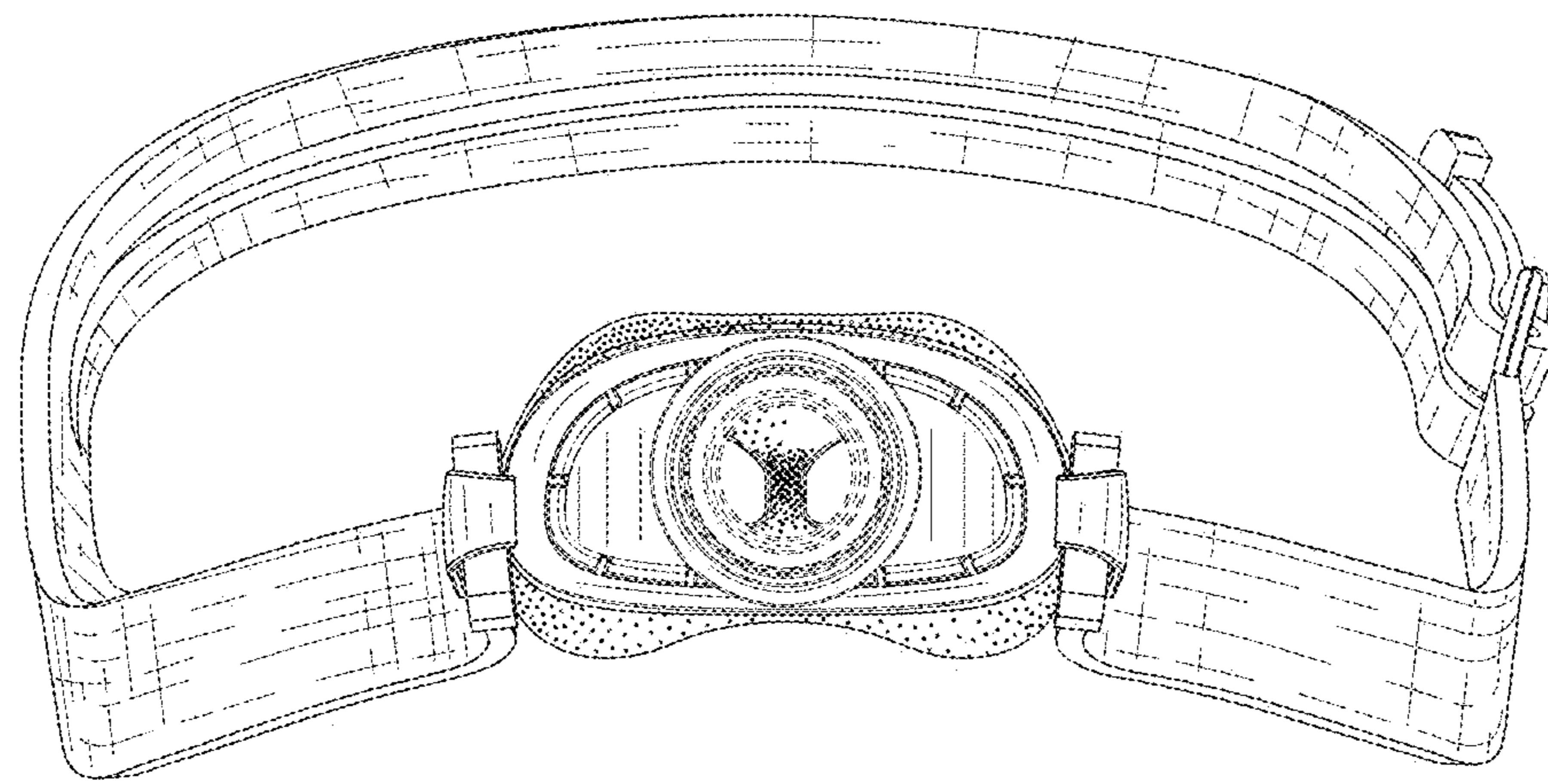


FIG. 2

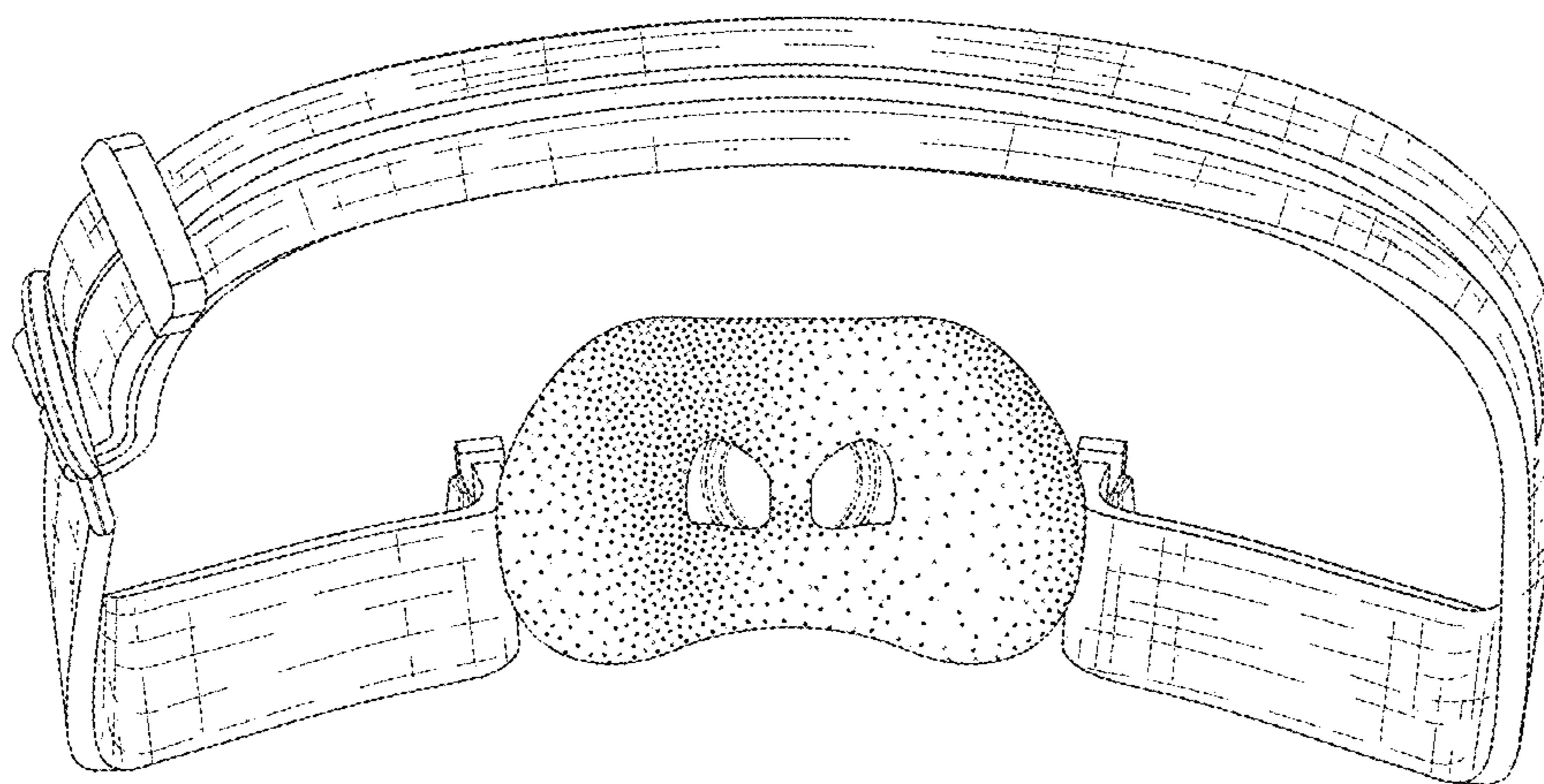


FIG. 3

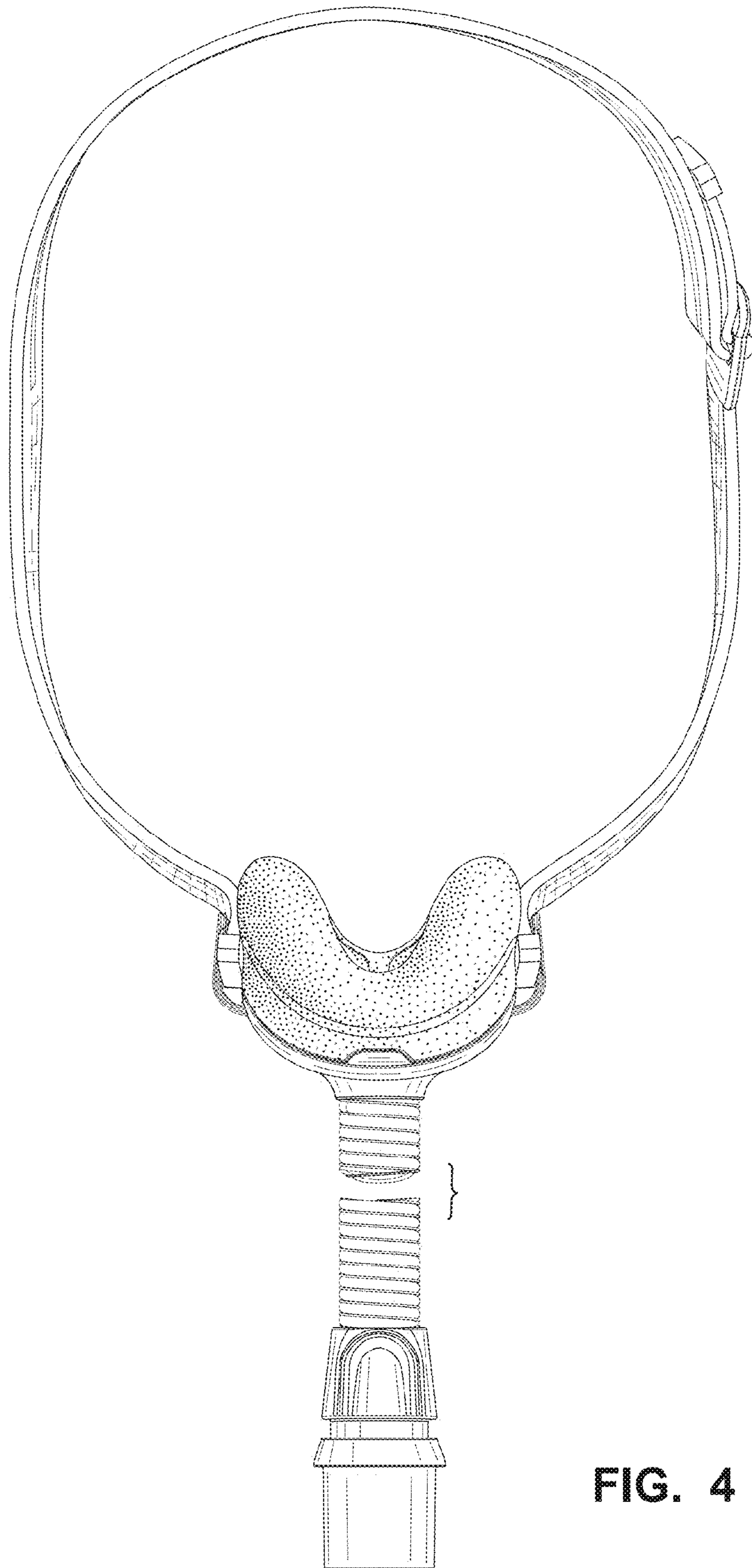


FIG. 4

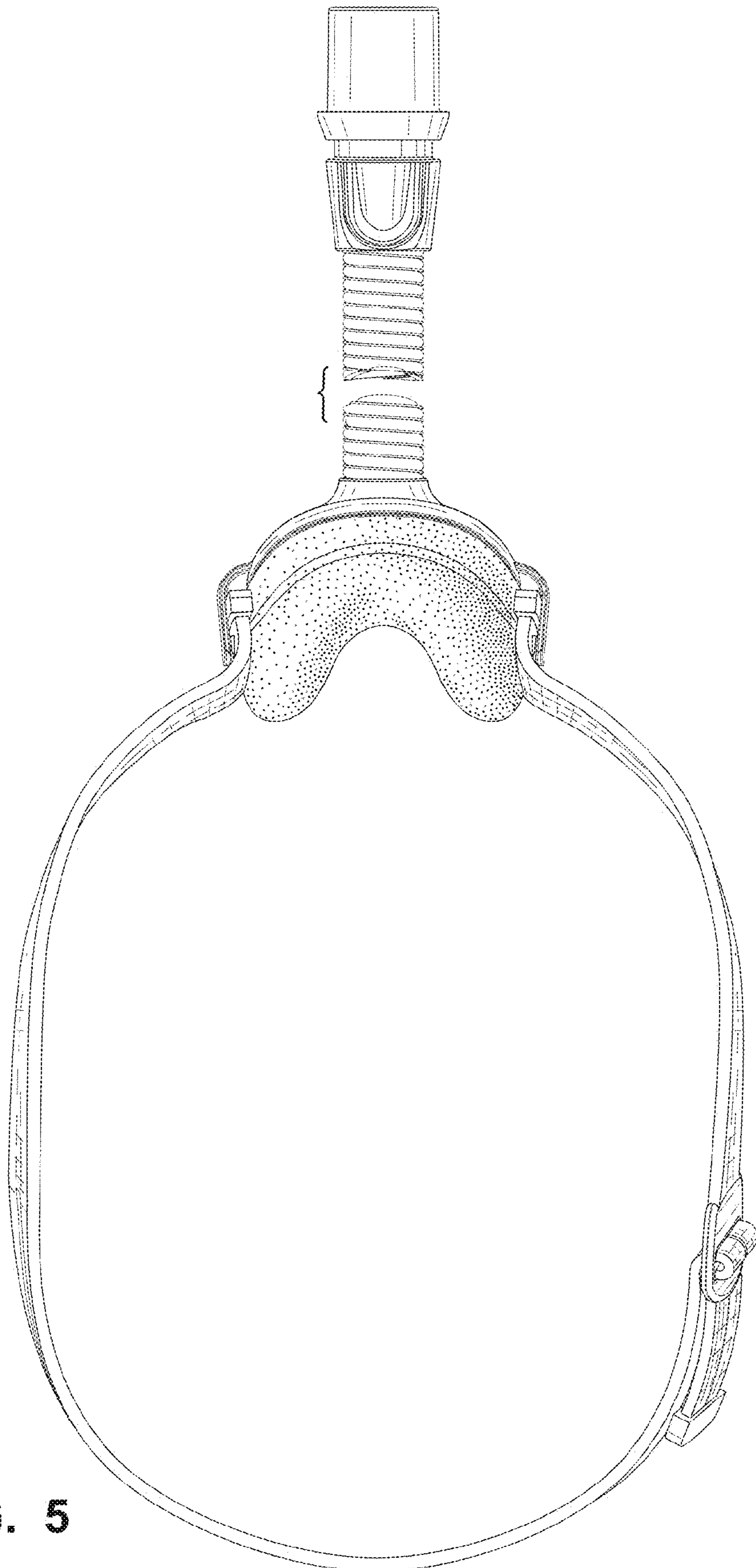


FIG. 5

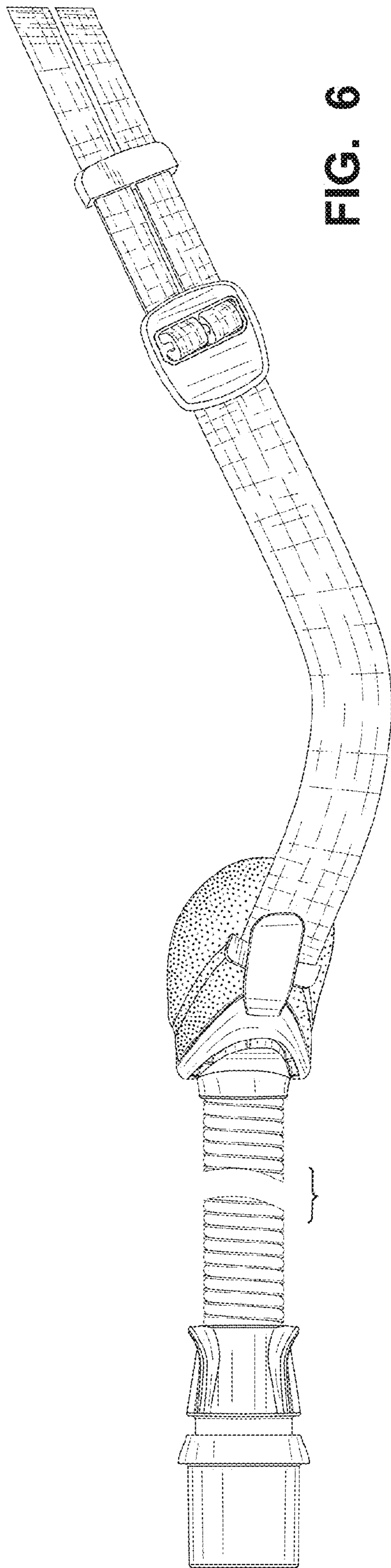


FIG. 6

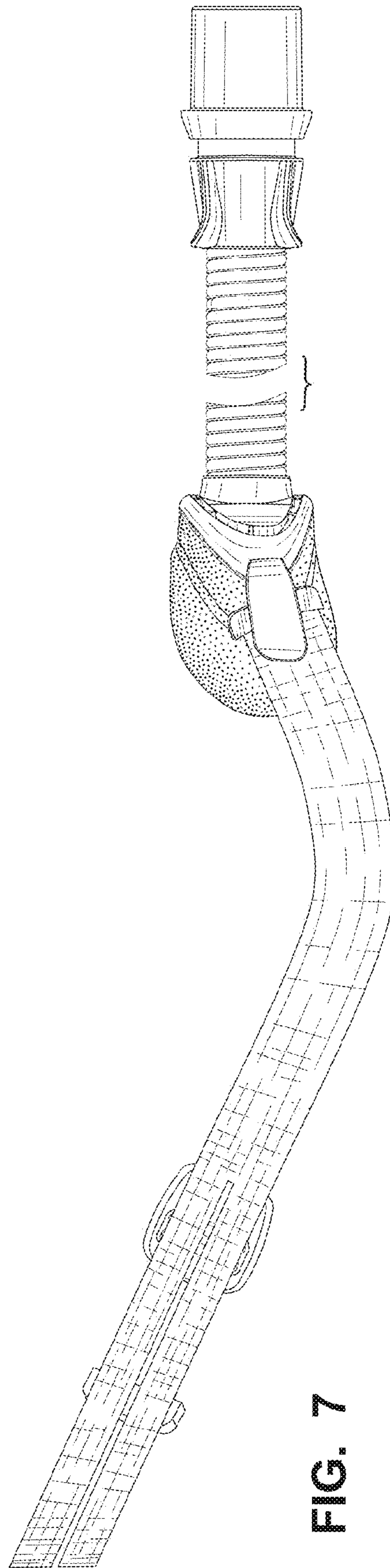


FIG. 7

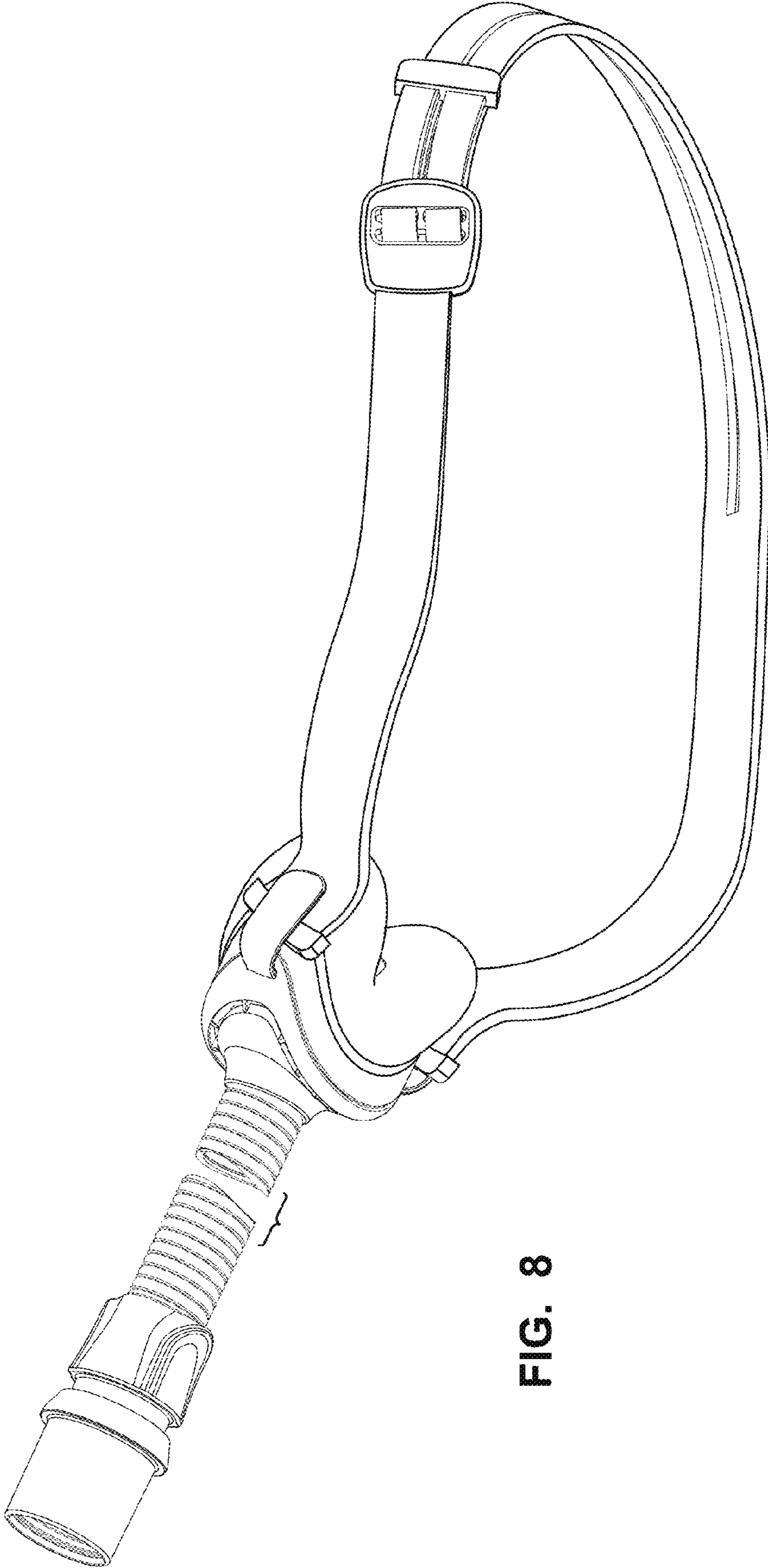
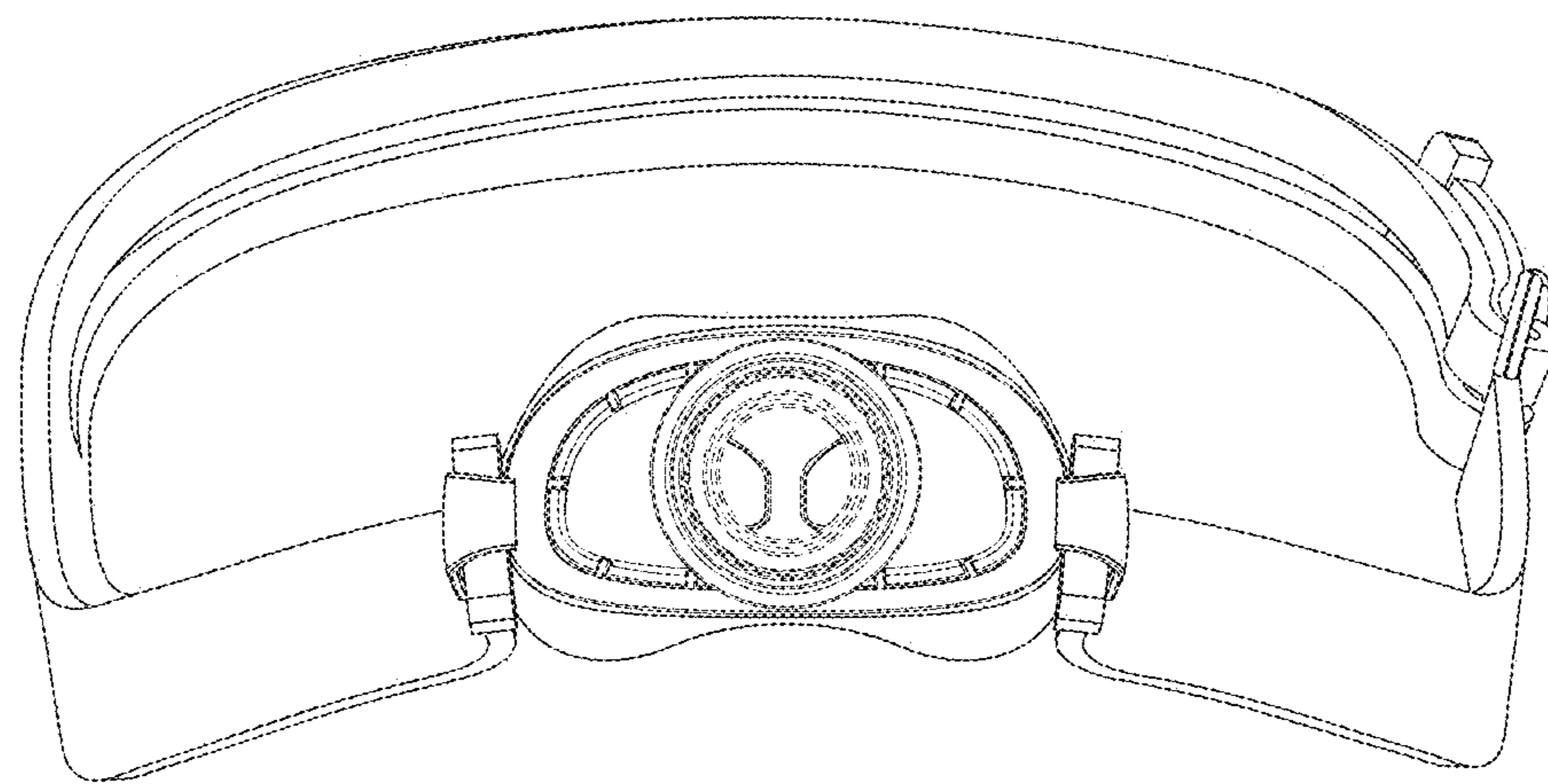
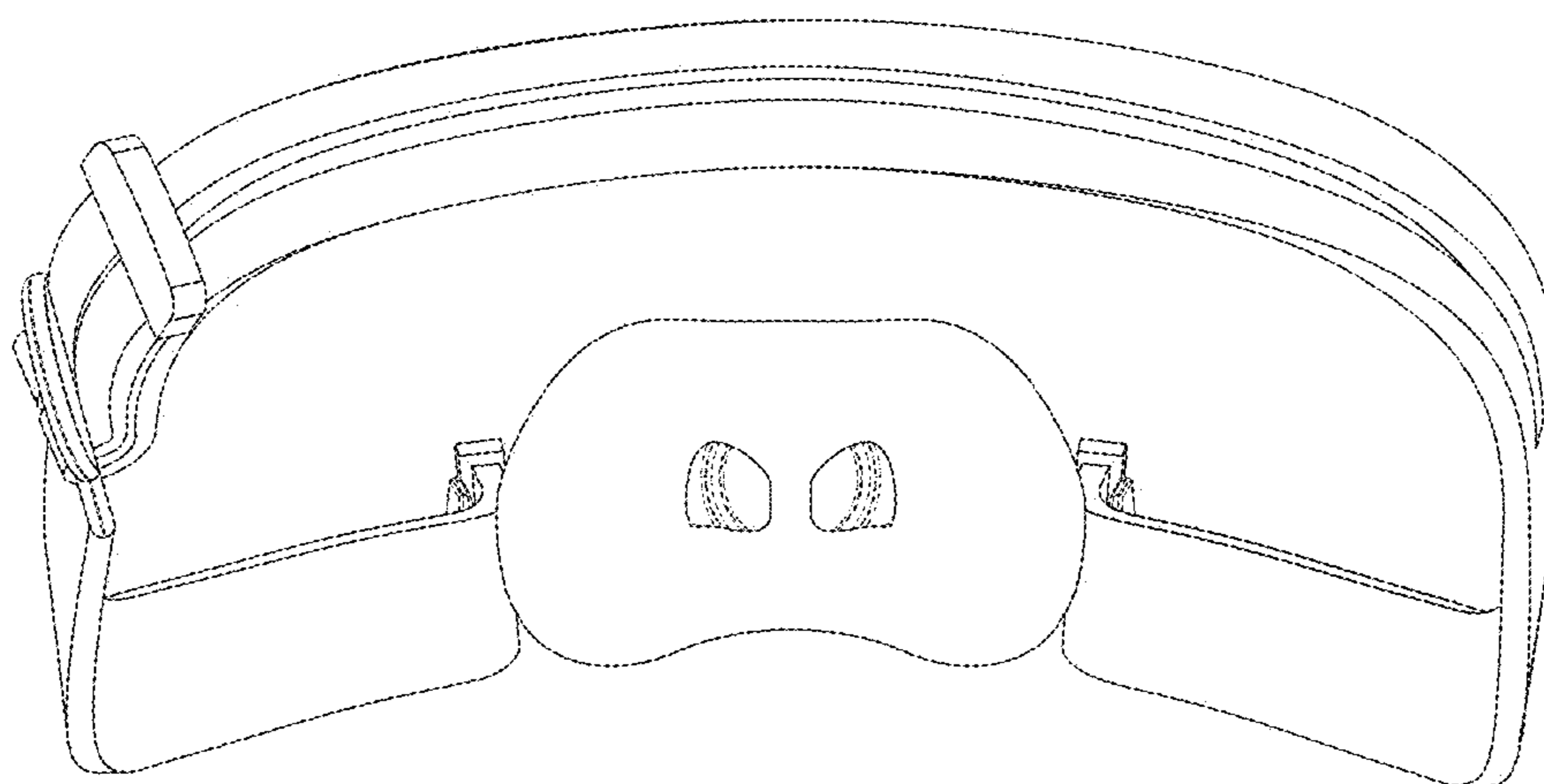


FIG. 8





**FIG. 9**



**FIG. 10**

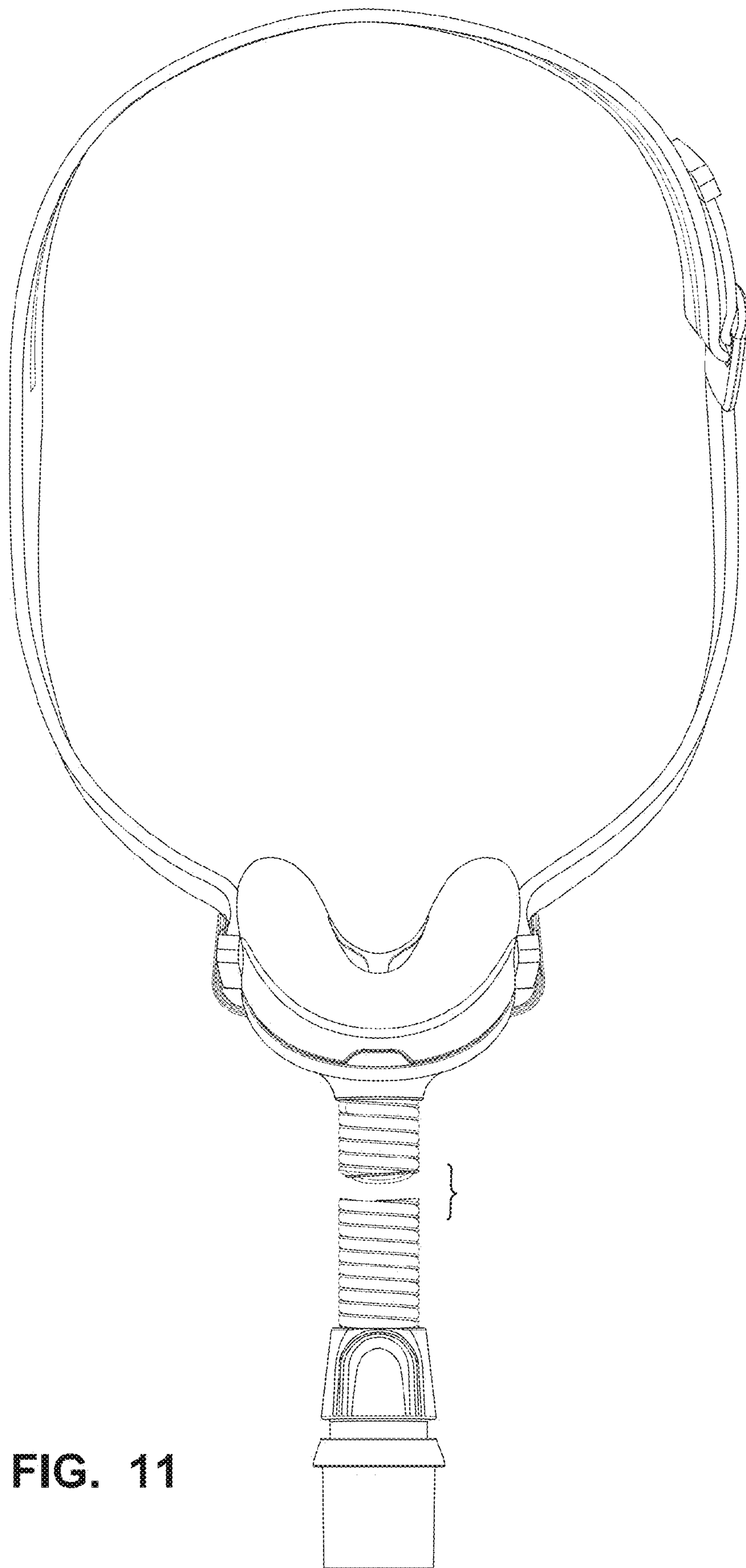


FIG. 11

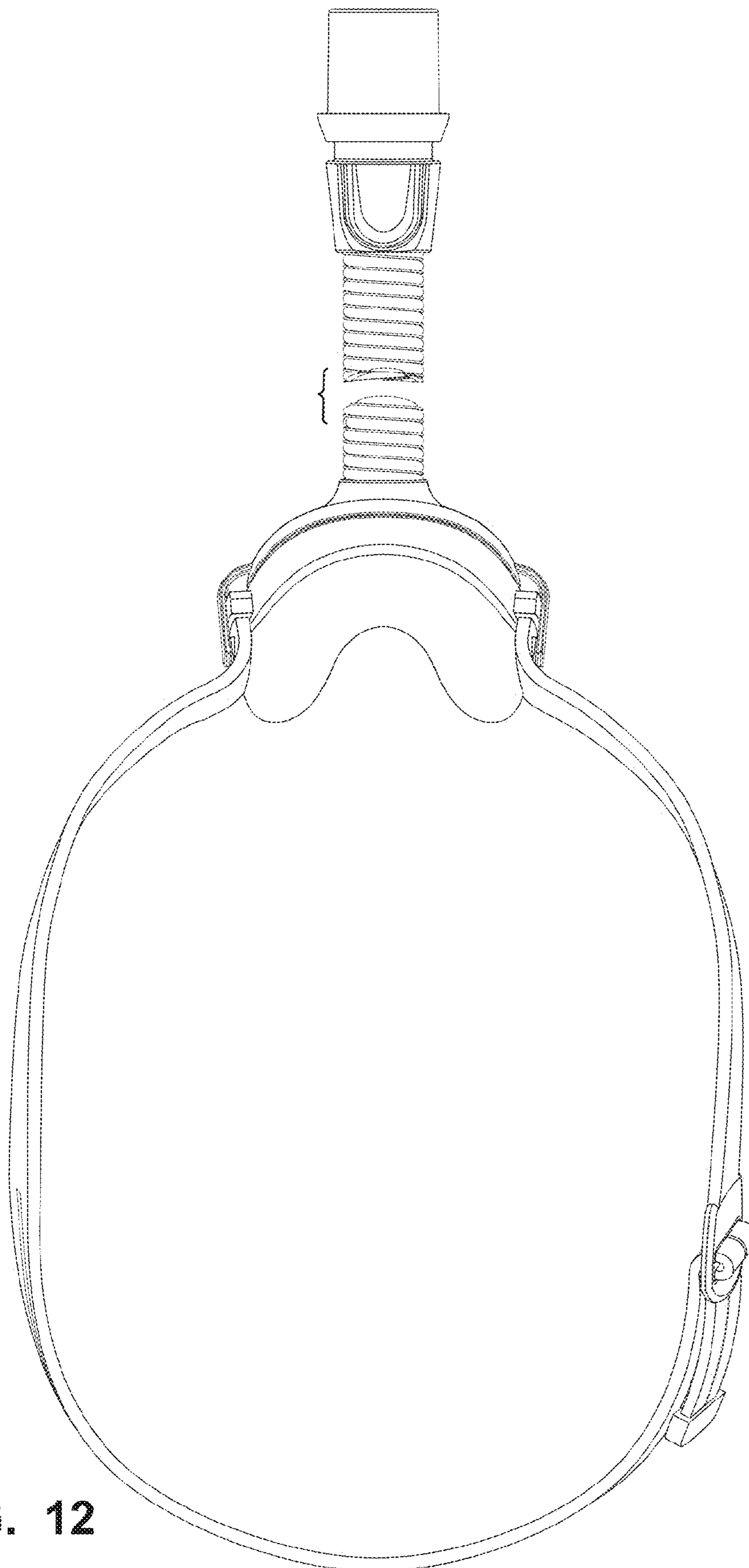


FIG. 12

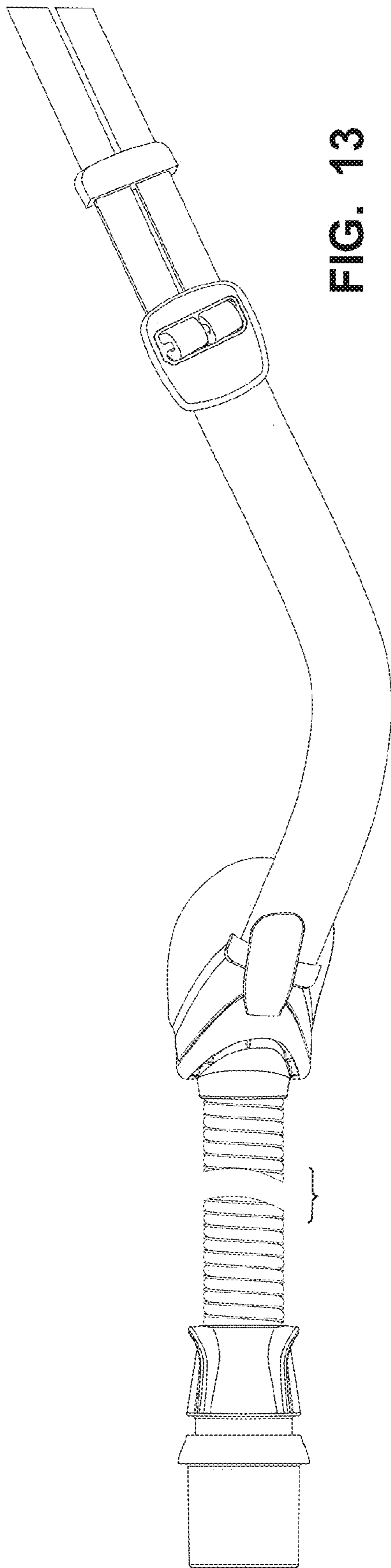


FIG. 13

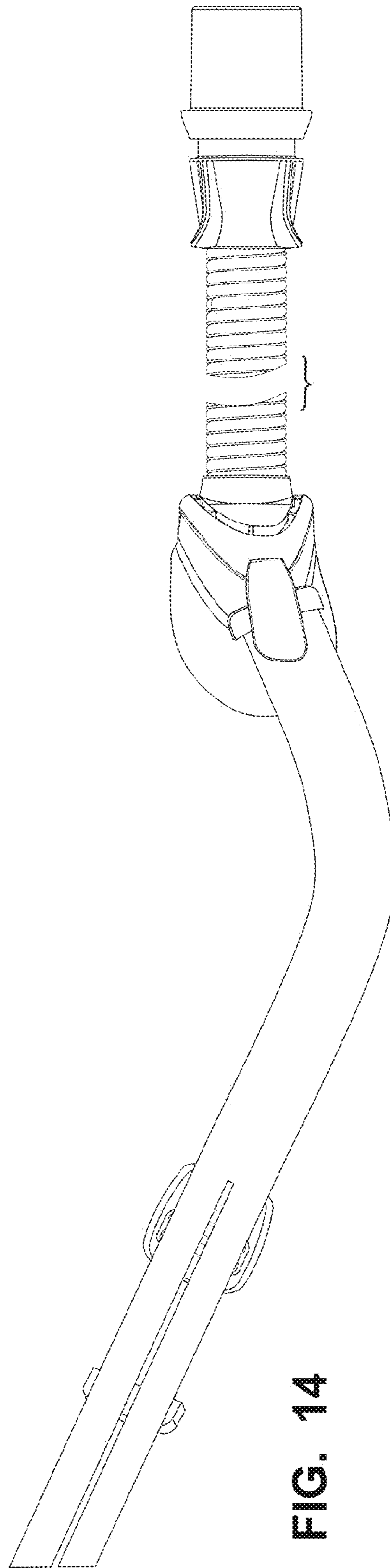


FIG. 14