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

(10) **Patent No.:** **US D987,814 S**
(45) **Date of Patent:** **** May 30, 2023**

(54) **HEADGEAR FOR 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, 2018, entitled "Patient Interface".

(Continued)

Primary Examiner — Aula Soroush

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

(73) Assignee: **ResMed Asia Pte. Ltd.**, Singapore (SG)

(57) **CLAIM**

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

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

DESCRIPTION

(21) Appl. No.: **29/778,862**

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

(22) Filed: **Apr. 15, 2021**

Related U.S. Application Data

(63) Continuation of application No. 29/702,629, filed on Aug. 21, 2019, now Pat. No. Des. 930,150.

(51) **LOC (14) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/110.1**

(58) **Field of Classification Search**
USPC D24/110-110.6, 127, 129; D29/110

(Continued)

The broken lines in the drawings illustrate portions of the patient interface that are included for the purpose of illustrating environmental subject matter and form no part of the claimed design.

Where included textile shading and line shading are used to denote different materials.

(56) **References Cited**

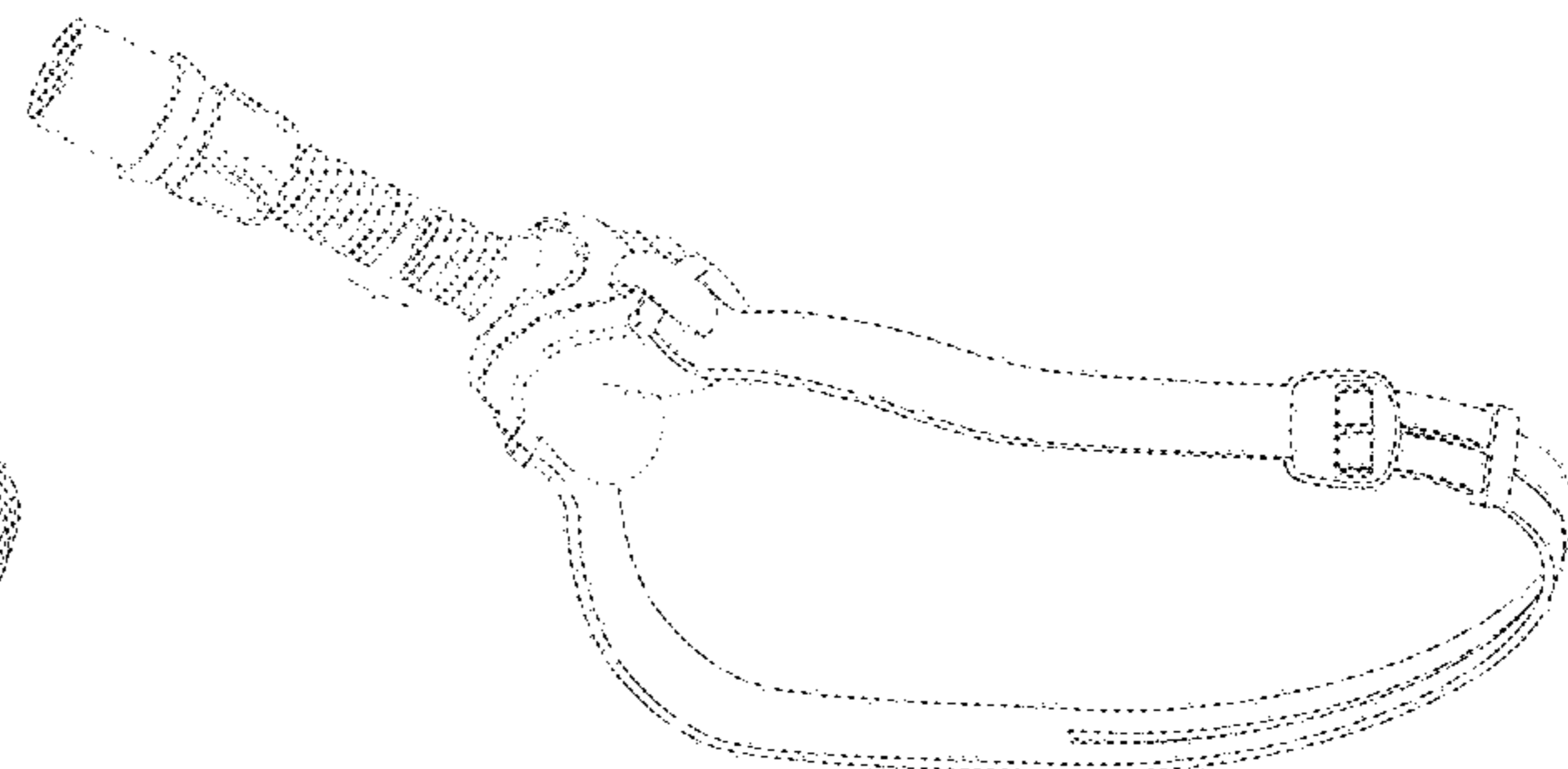
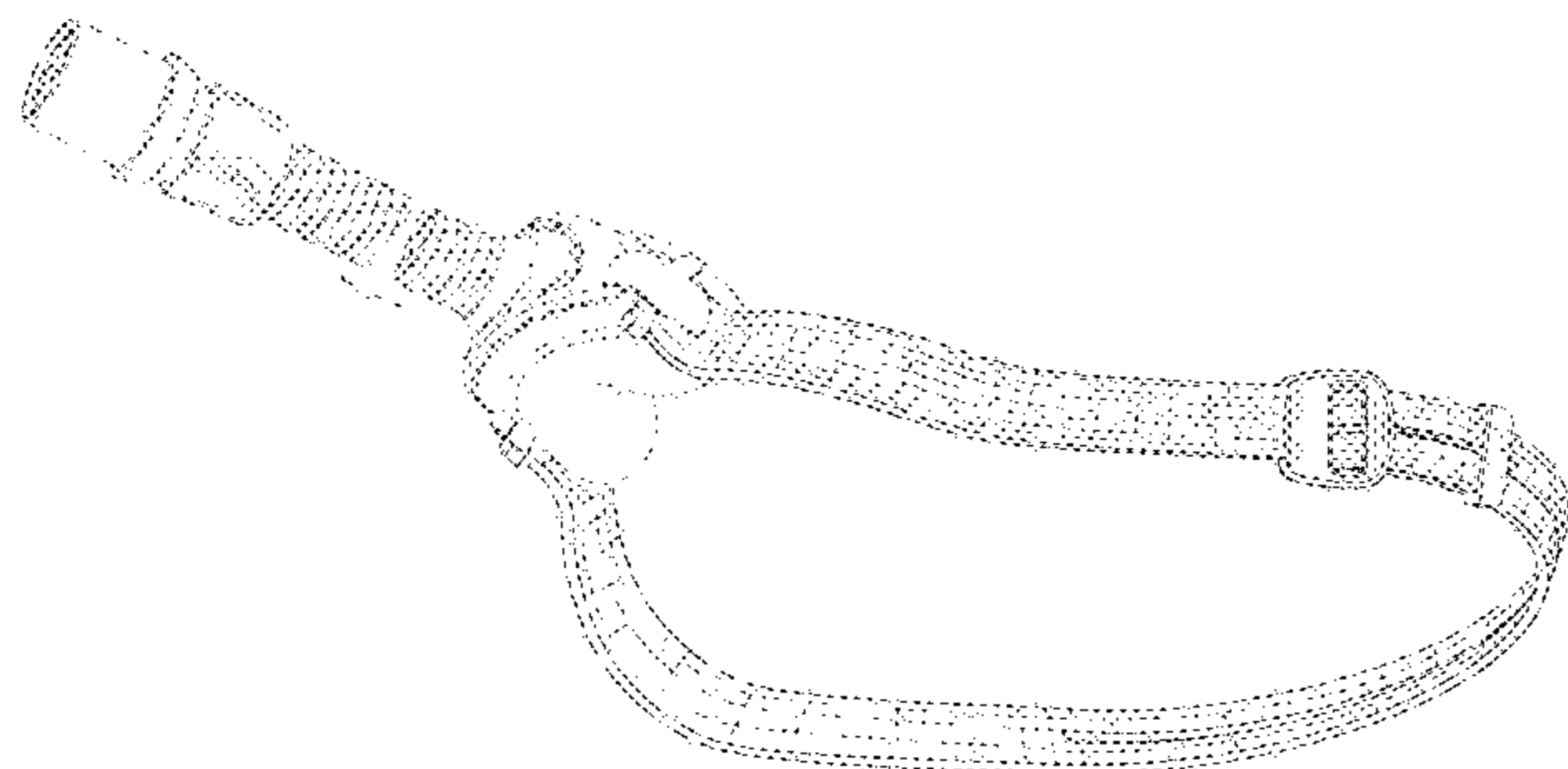
U.S. PATENT DOCUMENTS

5,243,971 A * 9/1993 Sullivan A61M 16/06
128/207.18

5,724,965 A 3/1998 Handke et al.

(Continued)

1 Claim, 10 Drawing Sheets



(58) **Field of Classification Search**

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.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,119,694 A * 9/2000 Correa A61M 16/0666
128/207.18
D439,326 S * 3/2001 Hecker D24/110.5
6,412,488 B1 7/2002 Barnett et al.
6,662,803 B2 12/2003 Gradon et al.
D586,907 S * 2/2009 Judson D24/110.1
D623,288 S * 9/2010 Lubke D24/110.1
D656,231 S * 3/2012 Henry D24/110.1
D659,237 S * 5/2012 Lubke D24/110.1
D664,250 S * 7/2012 Scheiner D24/110.1
8,397,727 B2 3/2013 Ng et al.
8,534,285 B2 9/2013 Lee
D691,712 S * 10/2013 Judson D24/110.1
D692,554 S * 10/2013 Siew D24/110.1
8,573,201 B2 11/2013 Rummery
D704,329 S * 5/2014 Collazo D24/110.1
D708,736 S * 7/2014 Judson D24/110.5
8,985,115 B2 3/2015 Baecke et al.
D737,953 S * 9/2015 Wells D24/110
D740,935 S * 10/2015 Cullen D24/110.1
D743,535 S * 11/2015 Wells D24/110
D751,687 S * 3/2016 Daly D24/110
D757,252 S * 5/2016 Von Moger D24/110.5
D764,049 S * 8/2016 Cullen D24/110.4
D770,036 S * 10/2016 Walls D24/110.4
D771,238 S * 11/2016 Scheiner D24/110.4
D787,661 S * 5/2017 Edwards D24/110.4
D787,662 S * 5/2017 Guney D24/110.4
D794,772 S * 8/2017 Cullen D24/110.4
D797,921 S * 9/2017 Huang D24/110.4
9,784,387 B2 10/2017 Kaye

9,802,015 B2 10/2017 Virr
D805,630 S * 12/2017 Formica D24/110
D808,516 S * 1/2018 Edwards D24/110.4
9,872,967 B2 1/2018 Sims
9,889,267 B2 2/2018 Wells et al.
9,903,371 B2 2/2018 Row
D815,728 S * 4/2018 Walls D24/110.4
9,974,915 B2 5/2018 Haskard et al.
10,105,510 B2 10/2018 Buechi
D865,158 S 10/2019 Khera
D878,546 S 3/2020 Formica
D880,686 S 4/2020 Stoks
D884,152 S * 5/2020 Law D24/110.4
D955,558 S * 6/2022 Collins D24/110.1
2005/0155604 A1 7/2005 Ging
2007/0181130 A1 8/2007 Worley
2010/0116272 A1 5/2010 Row
2012/0090622 A1* 4/2012 Chang A61M 16/0666
128/207.18
2012/0204878 A1 8/2012 Smith et al.
2012/0227738 A1 9/2012 Virr
2014/0000614 A1* 1/2014 Chang A61M 16/0666
128/205.25
2014/0216462 A1* 8/2014 Law A61M 16/0616
128/205.25
2015/0352306 A1 12/2015 Scheiner et al.
2016/0051784 A1 2/2016 Eury
2016/0151596 A1 6/2016 Slight
2016/0213878 A1 7/2016 Browning, Jr.
2016/0296720 A1 10/2016 Henry et al.
2017/0000964 A1* 1/2017 Shafer A61M 16/06
2017/0100556 A1 4/2017 Munkelt
2017/0368285 A1* 12/2017 Wood A61M 16/0666
2018/0001044 A1* 1/2018 Stephens A61M 16/0605
2018/0250486 A1* 9/2018 Amarasinghe A61M 16/0816
2021/0252241 A1* 8/2021 Davidson A61M 16/0683

OTHER PUBLICATIONS

Manjunath et al., Design U.S. Appl. No. 29/702,629, filed Aug. 21, 2019, entitled "Patient Interface and/or Components Thereof," (parent application).

* cited by examiner

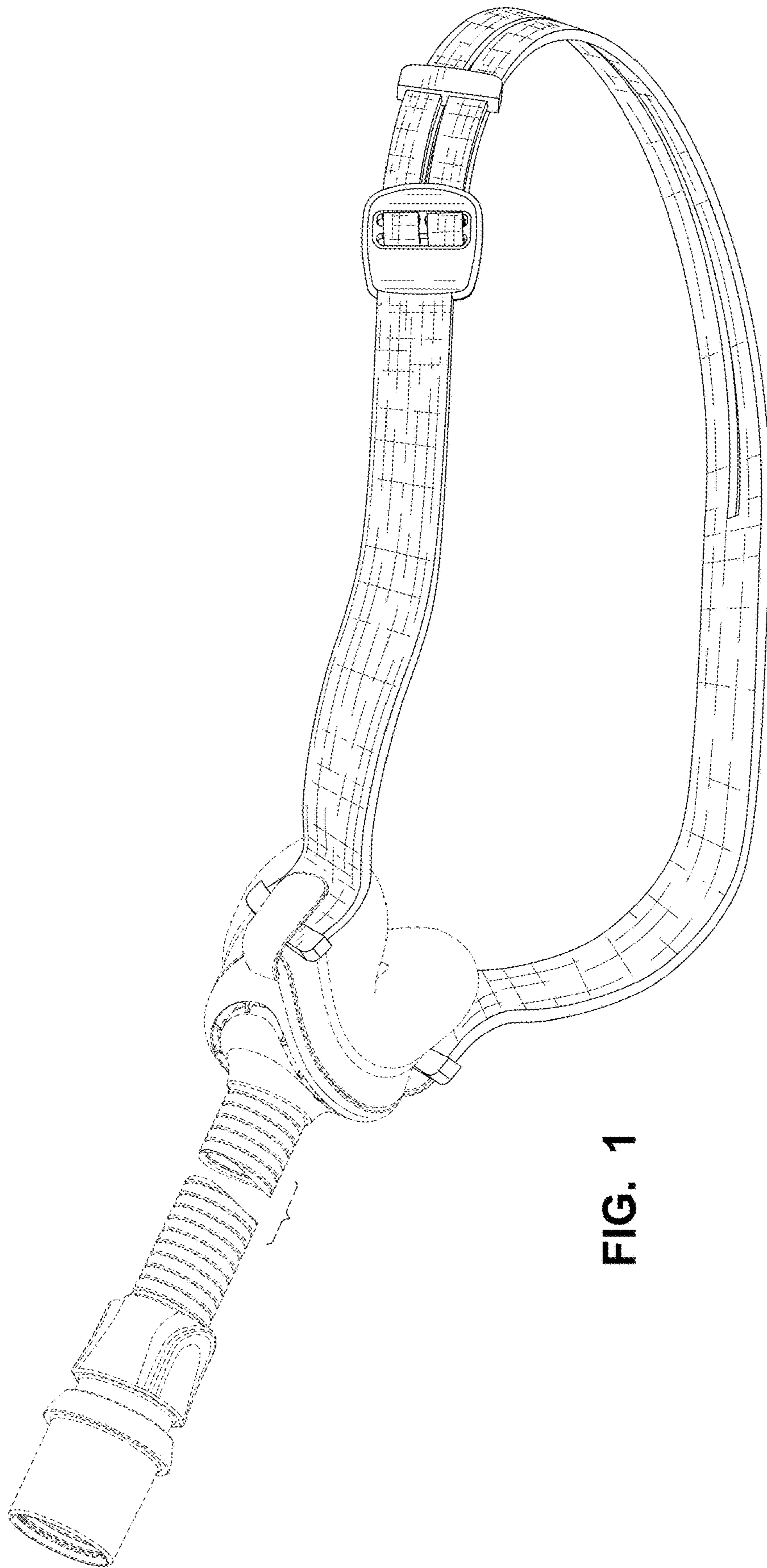


FIG. 1

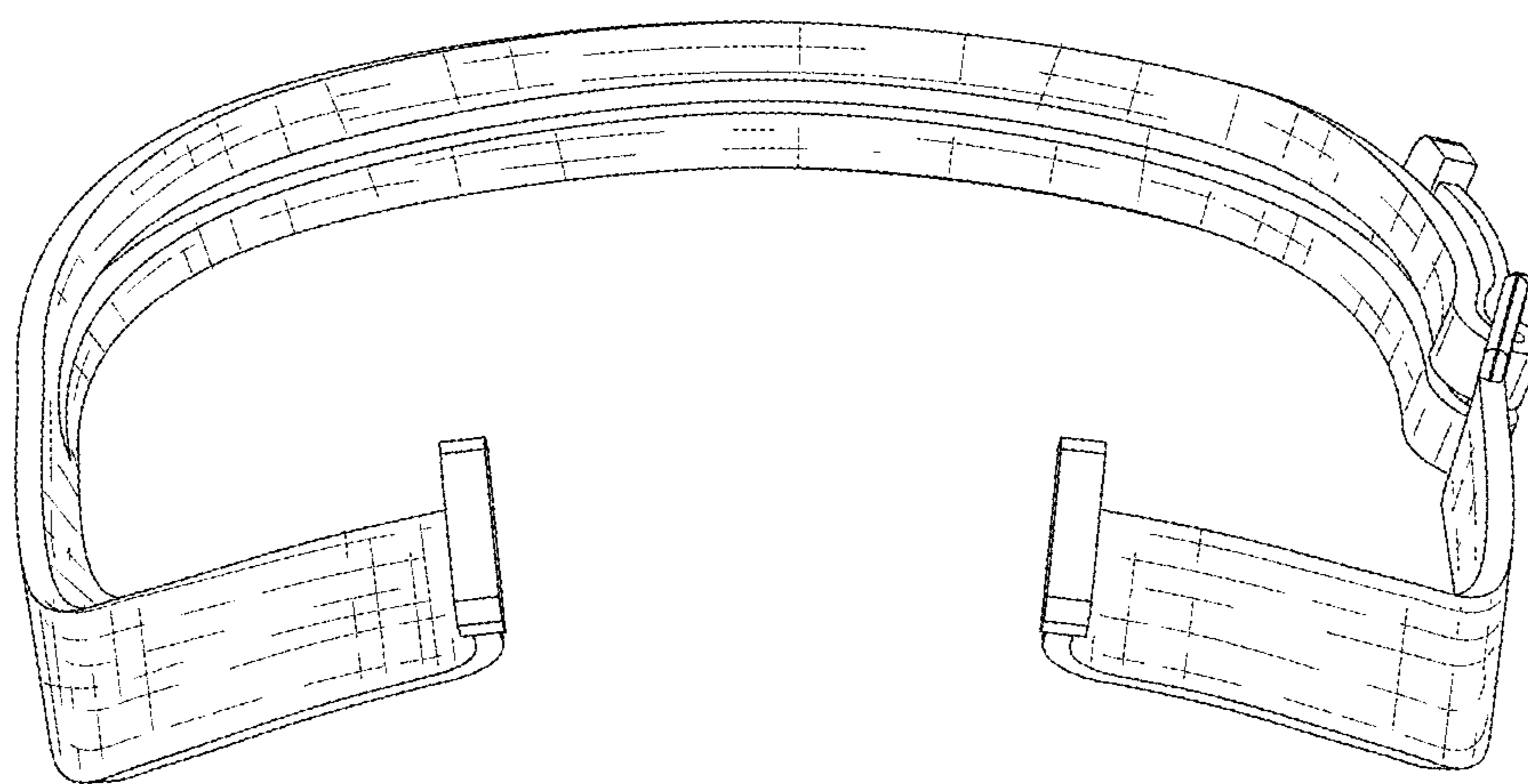


FIG. 2

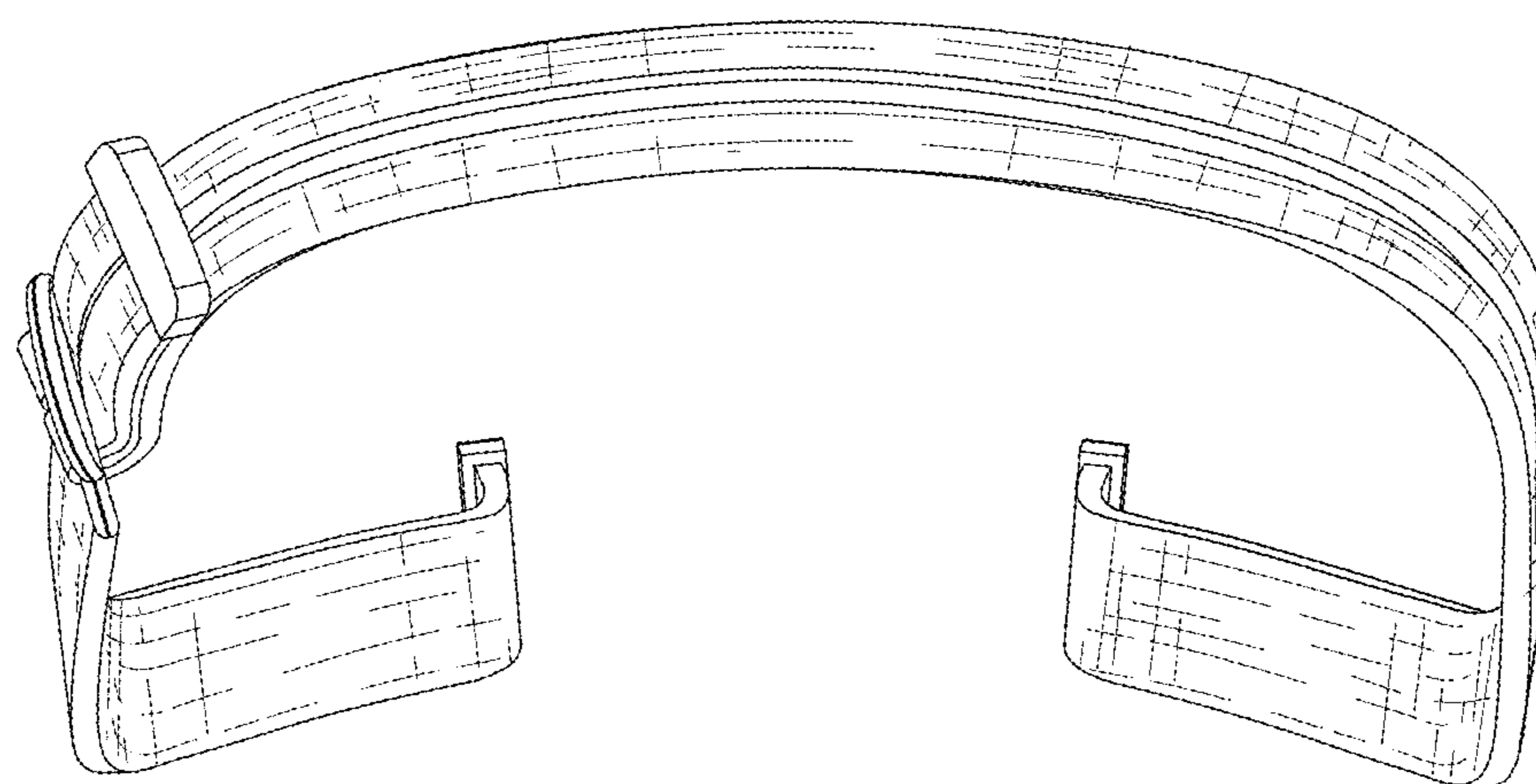


FIG. 3

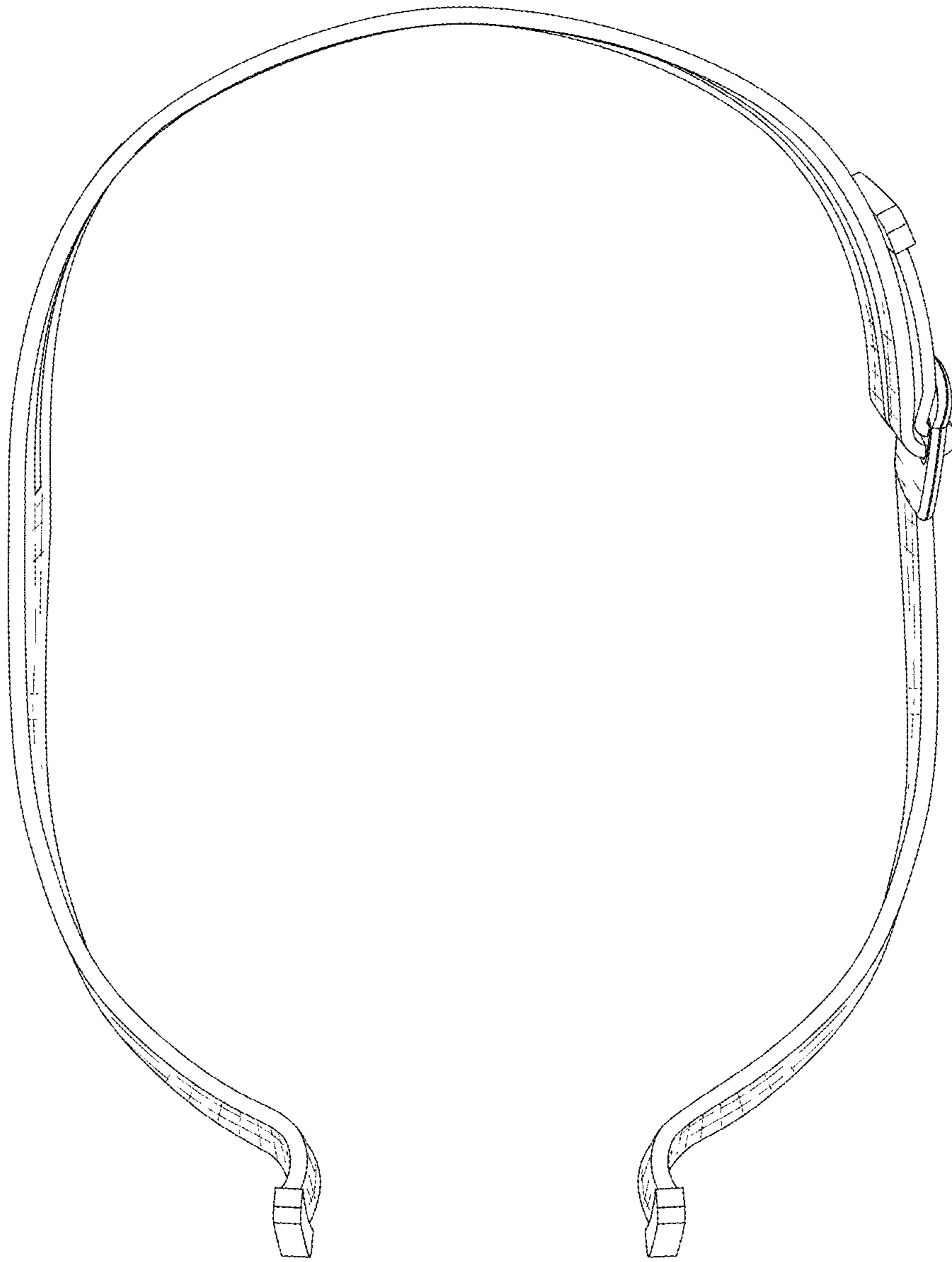


FIG. 4

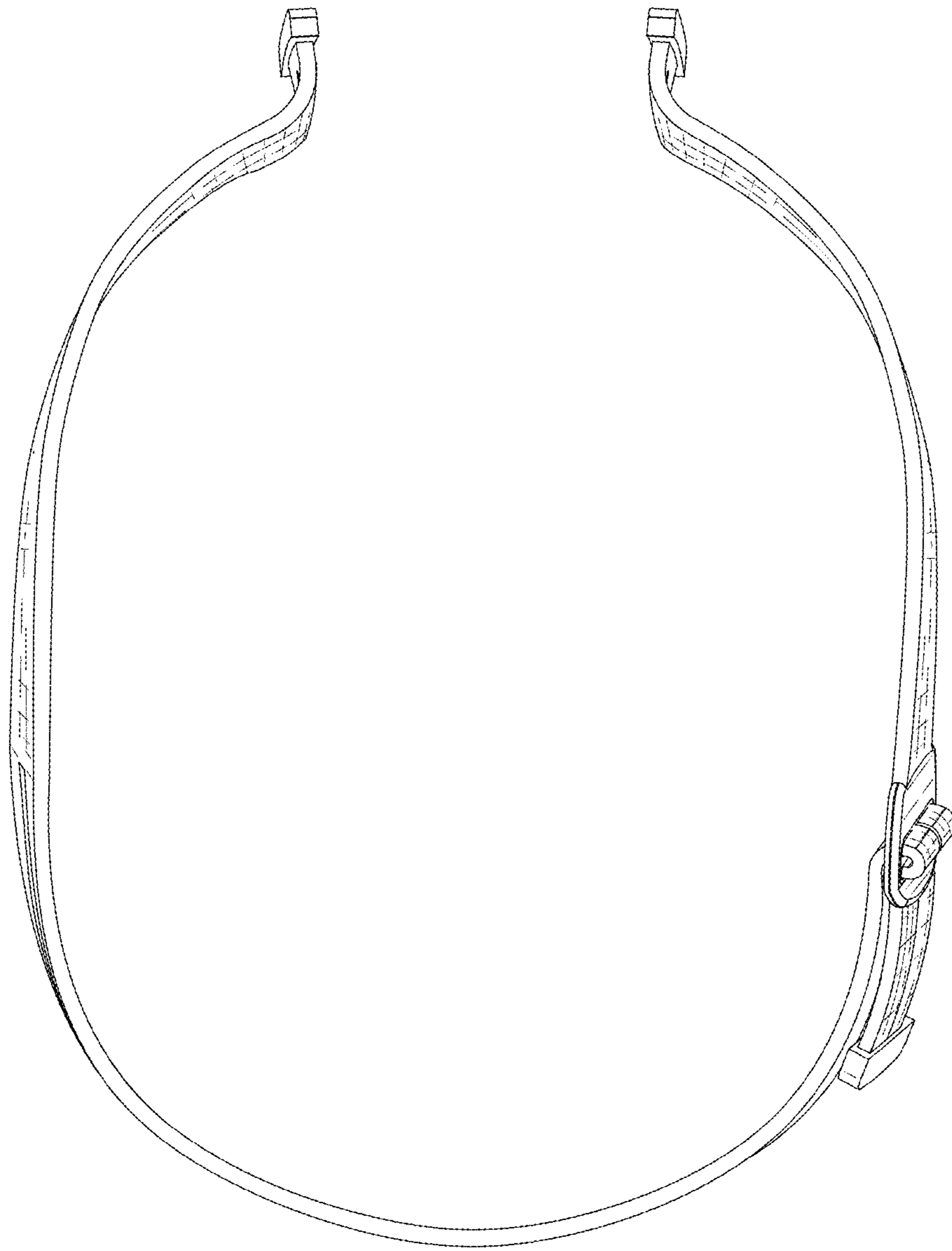


FIG. 5

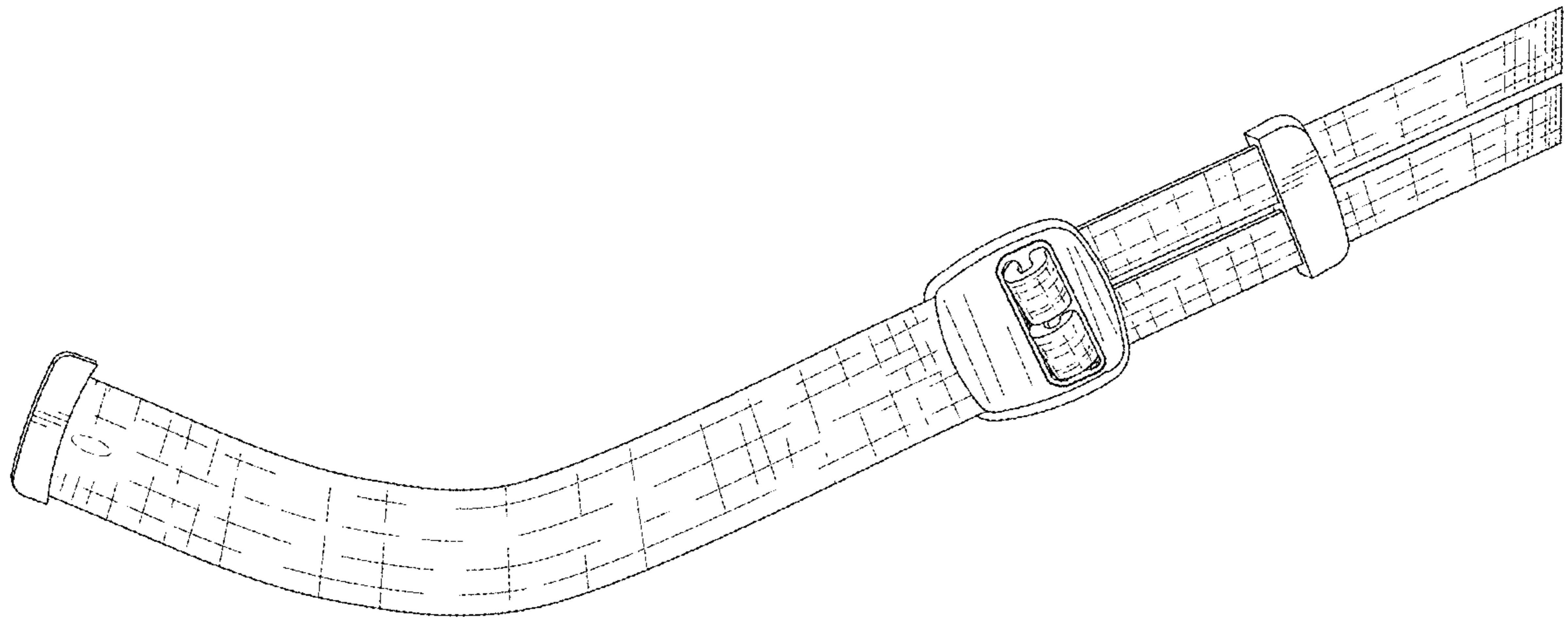


FIG. 6

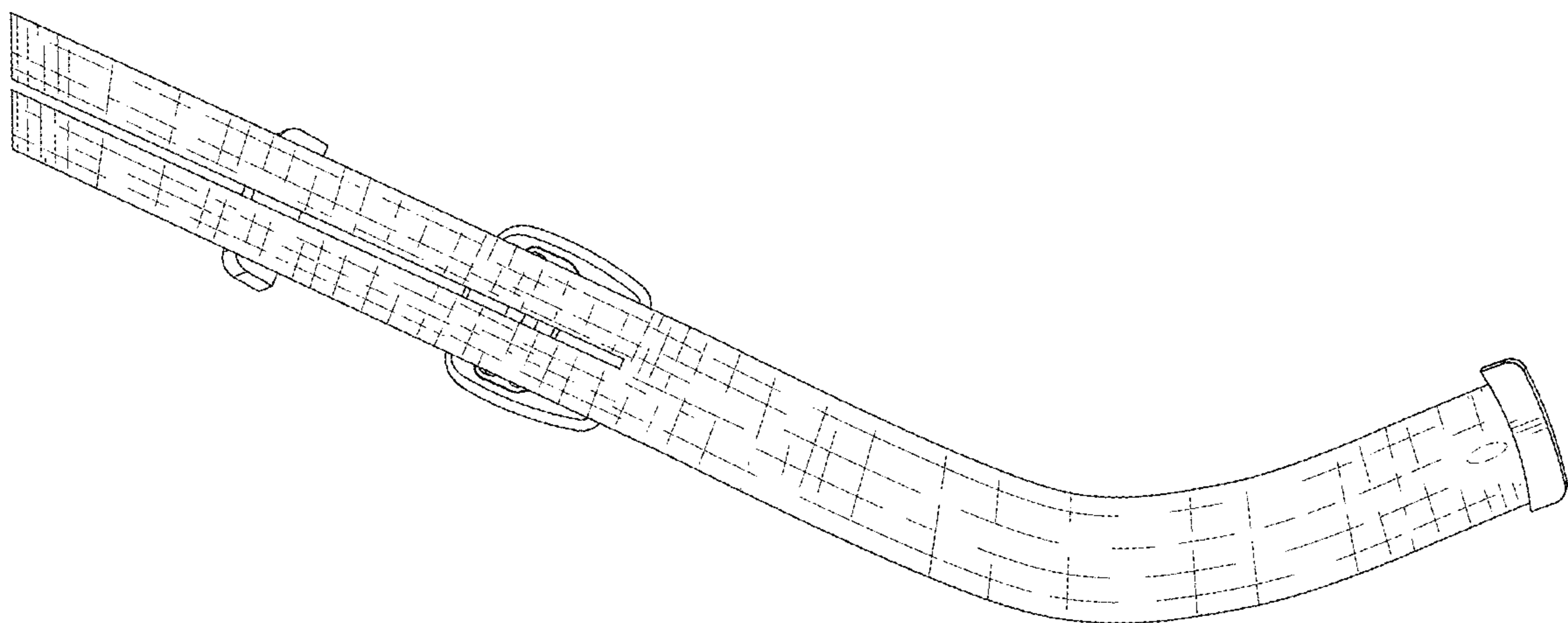


FIG. 7

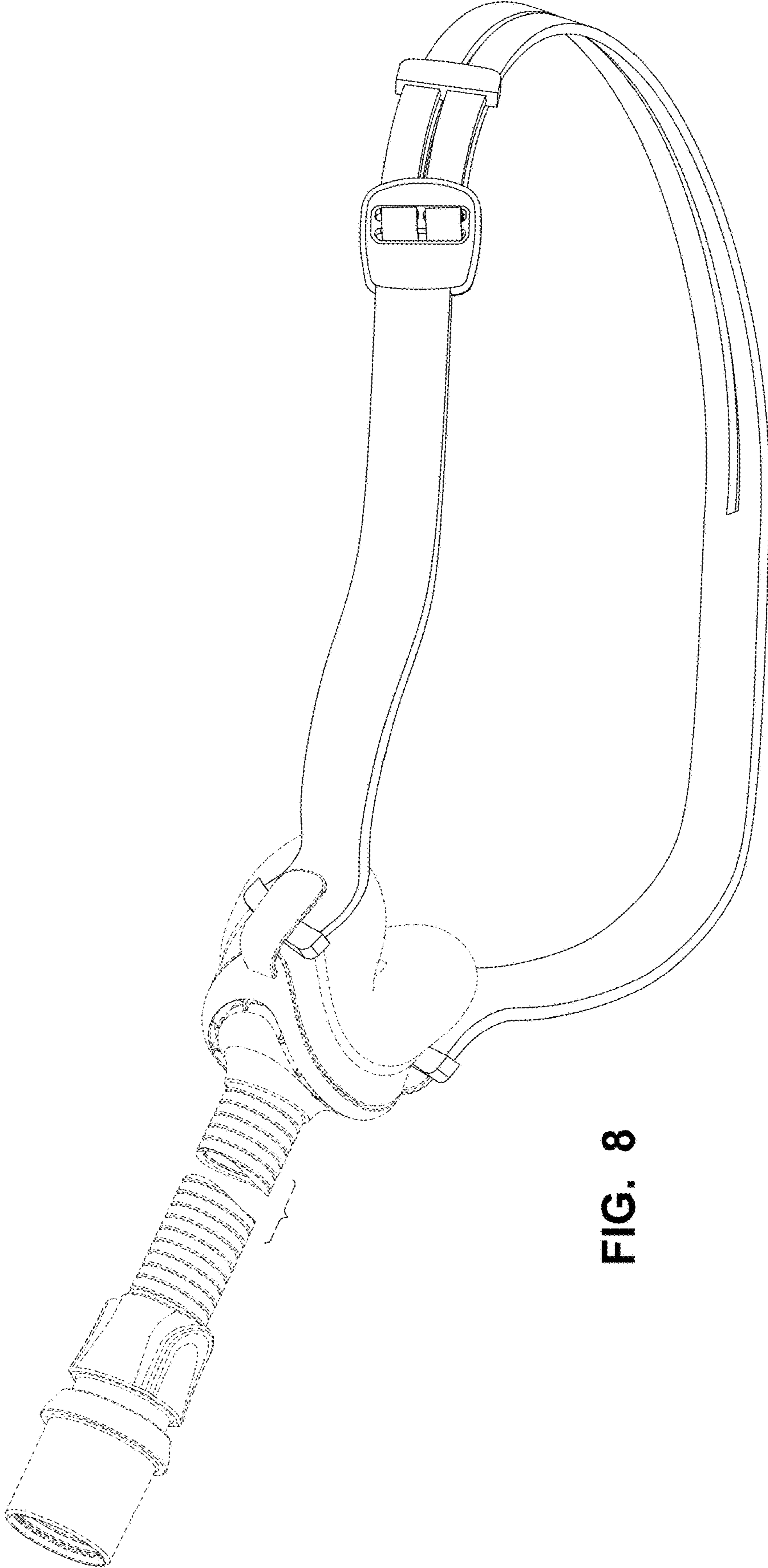


FIG. 8

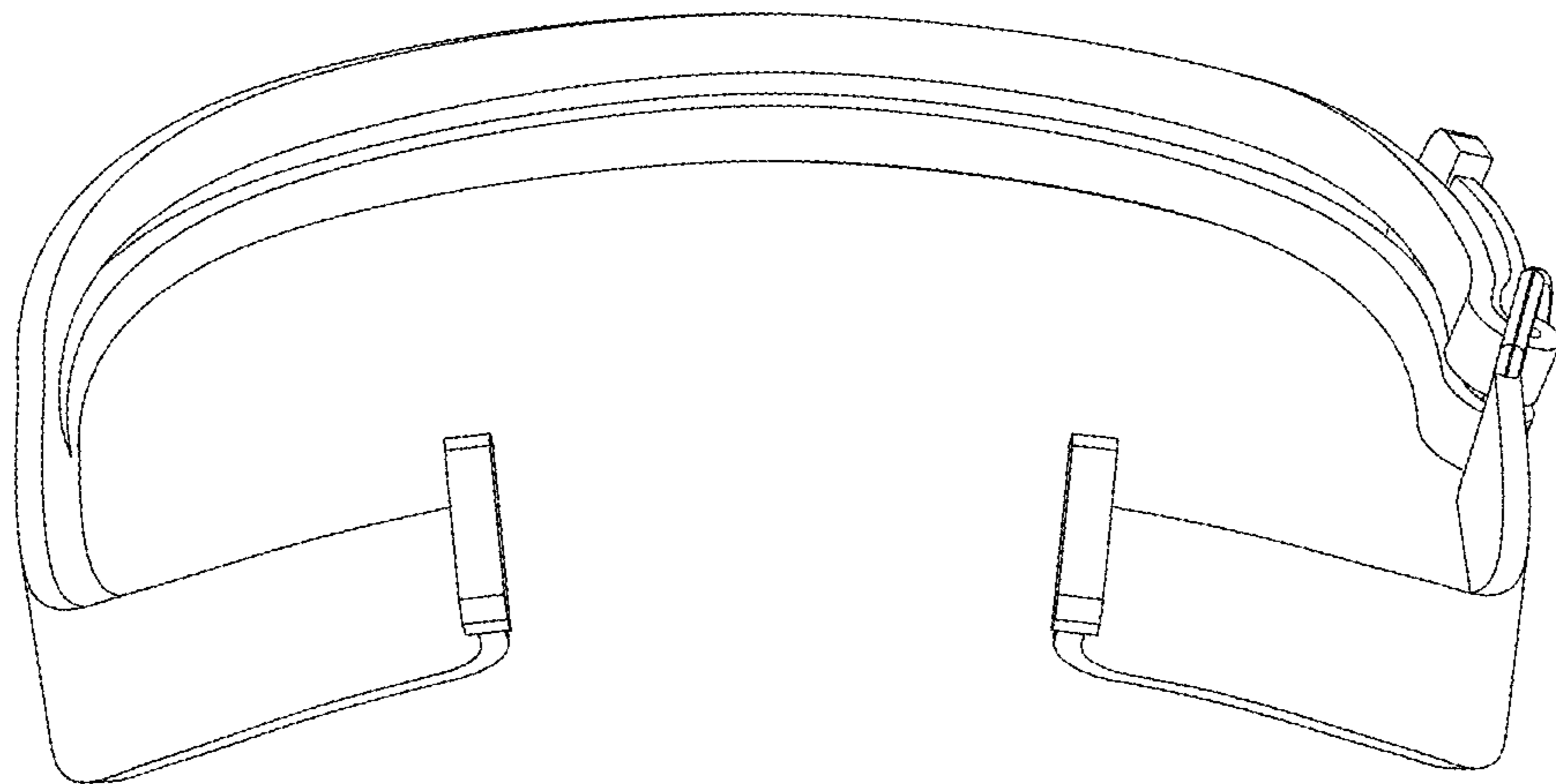


FIG. 9

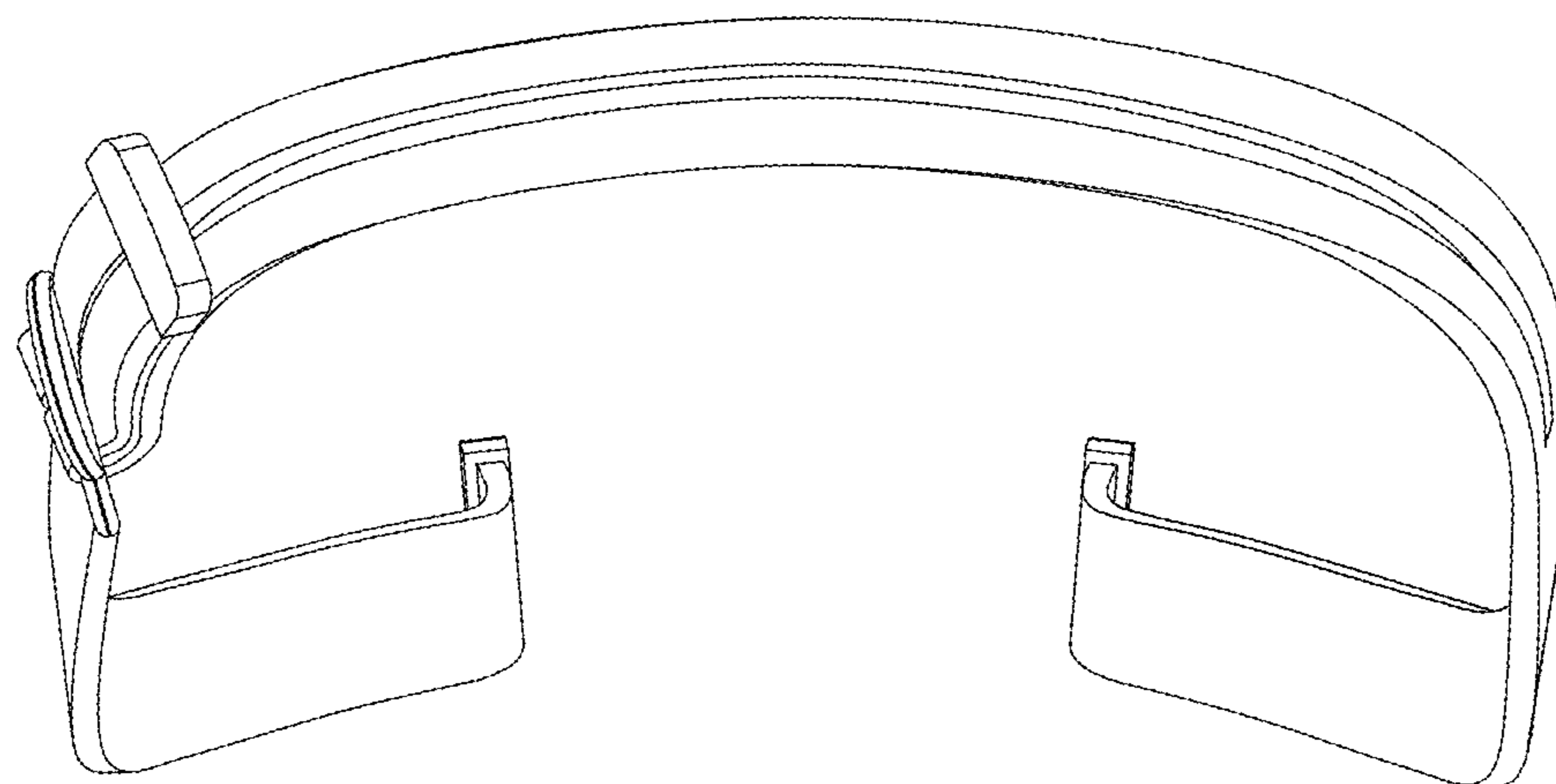


FIG. 10

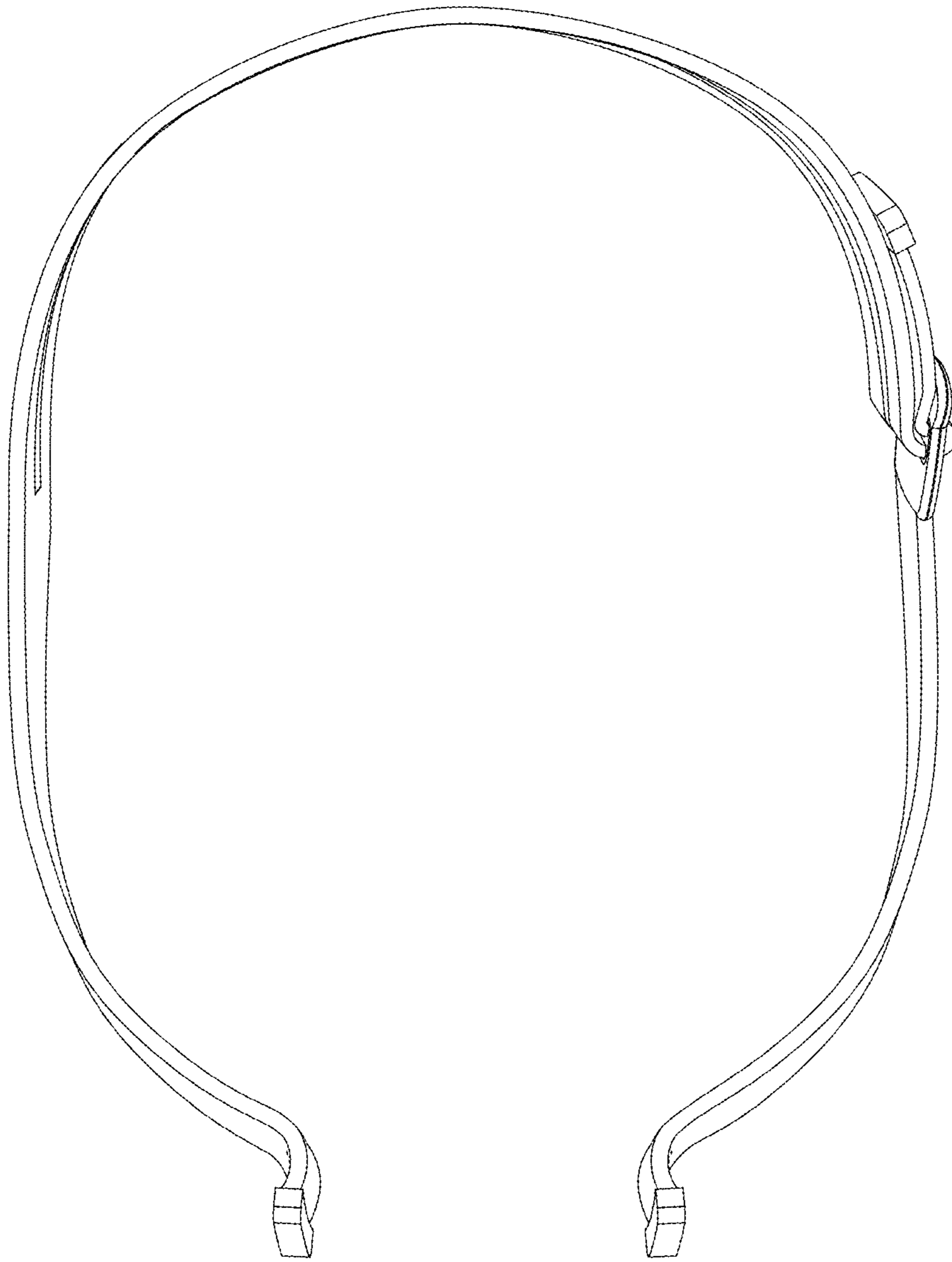


FIG. 11

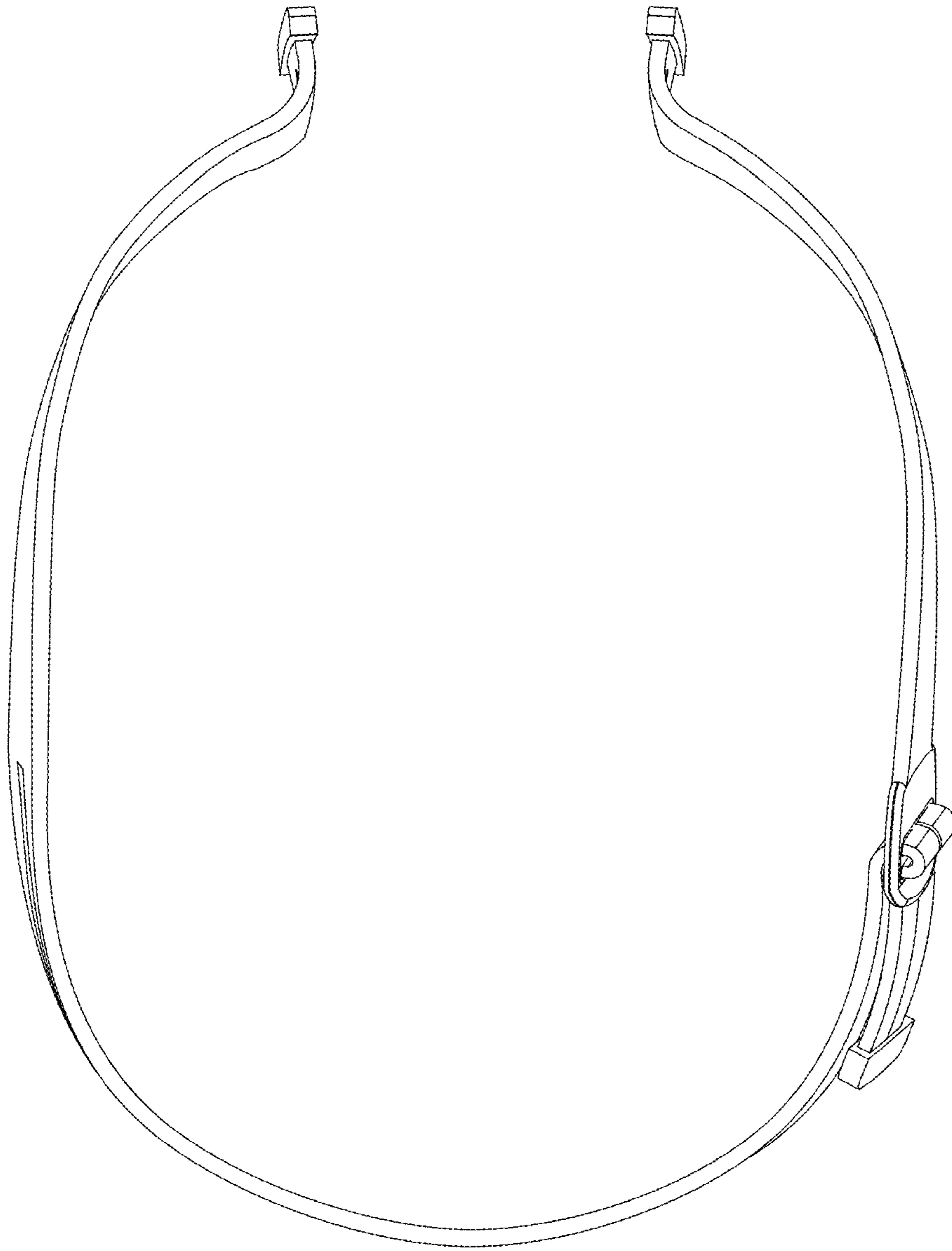


FIG. 12

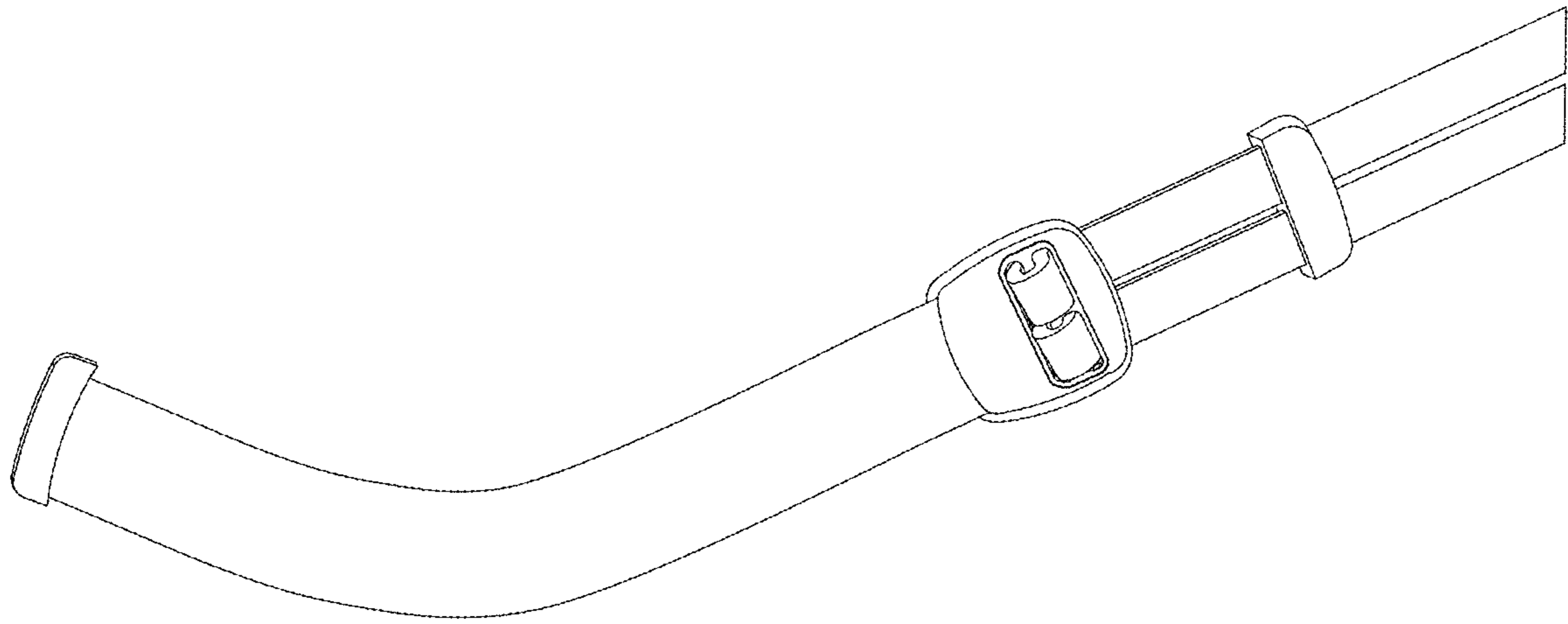


FIG. 13

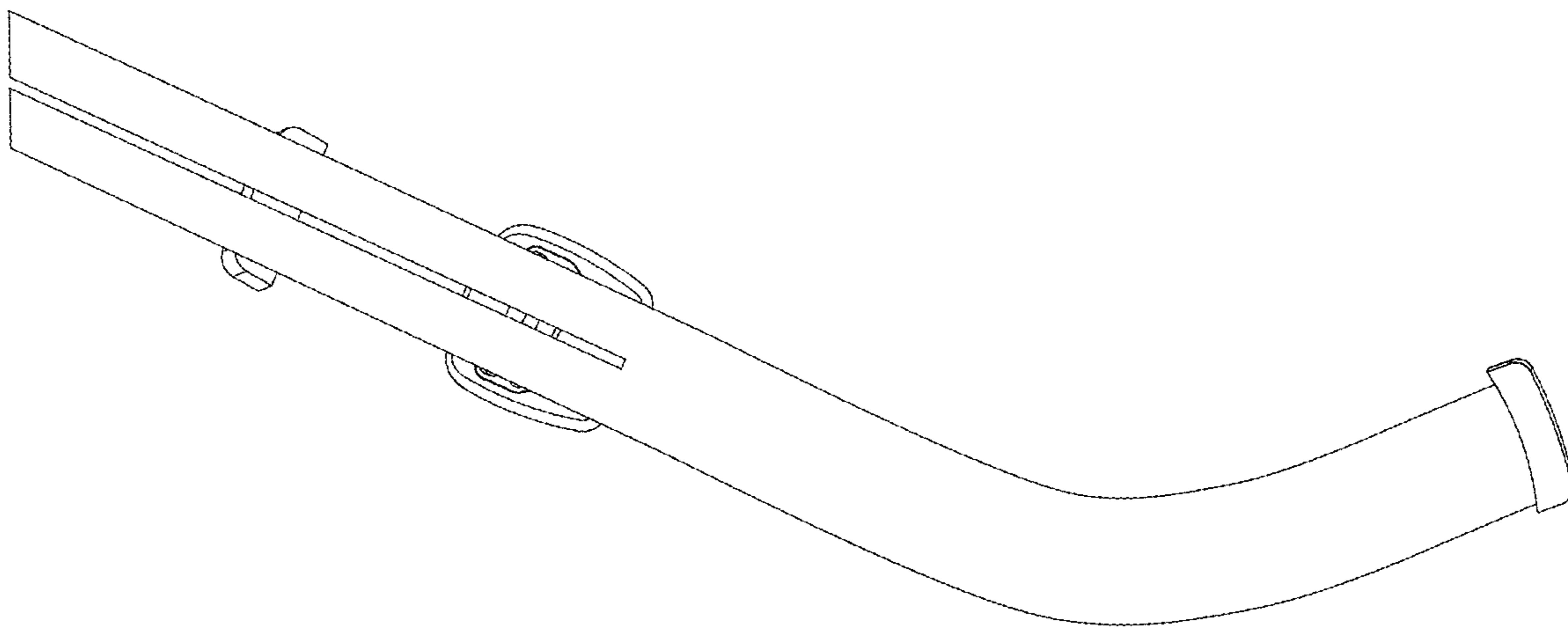


FIG. 14