



US00D787661S

(12) **United States Design Patent** (10) **Patent No.:** **US D787,661 S**
Edwards (45) **Date of Patent:** **** May 23, 2017**

(54) **PLENUM, CLIP AND NOZZLES MODULE FOR PATIENT INTERFACE**

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(72) Inventor: **Craig David Edwards**, Sydney (AU)
(73) Assignee: **ResMed Limited**, Bella Vista (AU)
(**) Term: **15 Years**
(21) Appl. No.: **29/540,038**
(22) Filed: **Sep. 21, 2015**

Related U.S. Application Data

(60) Division of application No. 29/469,231, filed on Oct. 8, 2013, now Pat. No. Des. 743,535, which is a (Continued)
(51) **LOC (10) Cl.** **29-02**
(52) **U.S. Cl.**
USPC **D24/110.4**
(58) **Field of Classification Search**
USPC D24/110.4, 110.1-110.5; 128/202.27, 128/204.21, 205.25, 205.27, (Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,782,832 A 11/1988 Trimble et al.
5,724,965 A 3/1998 Handke et al.
(Continued)

FOREIGN PATENT DOCUMENTS

EP 1356841 10/2003
EP 2022528 2/2009
(Continued)

OTHER PUBLICATIONS

Wells et al., U.S. Appl. No. 29/461,681, filed Jul. 26, 2013.

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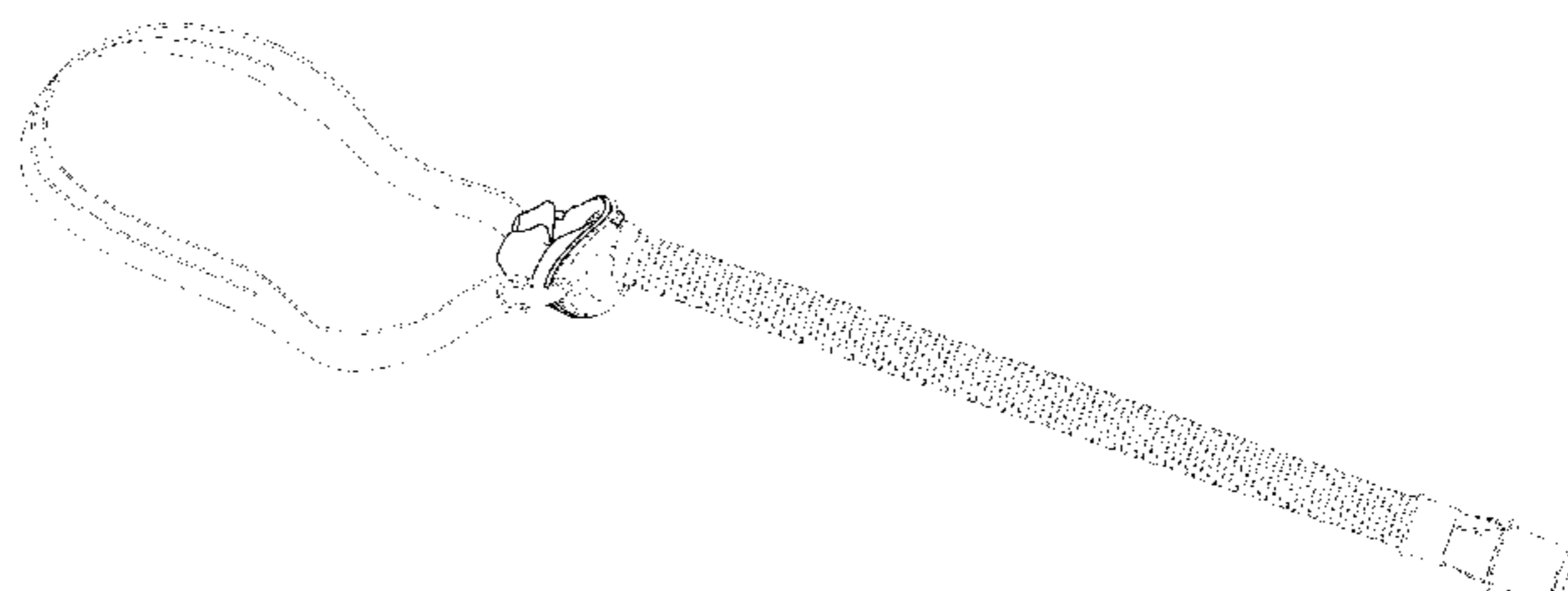
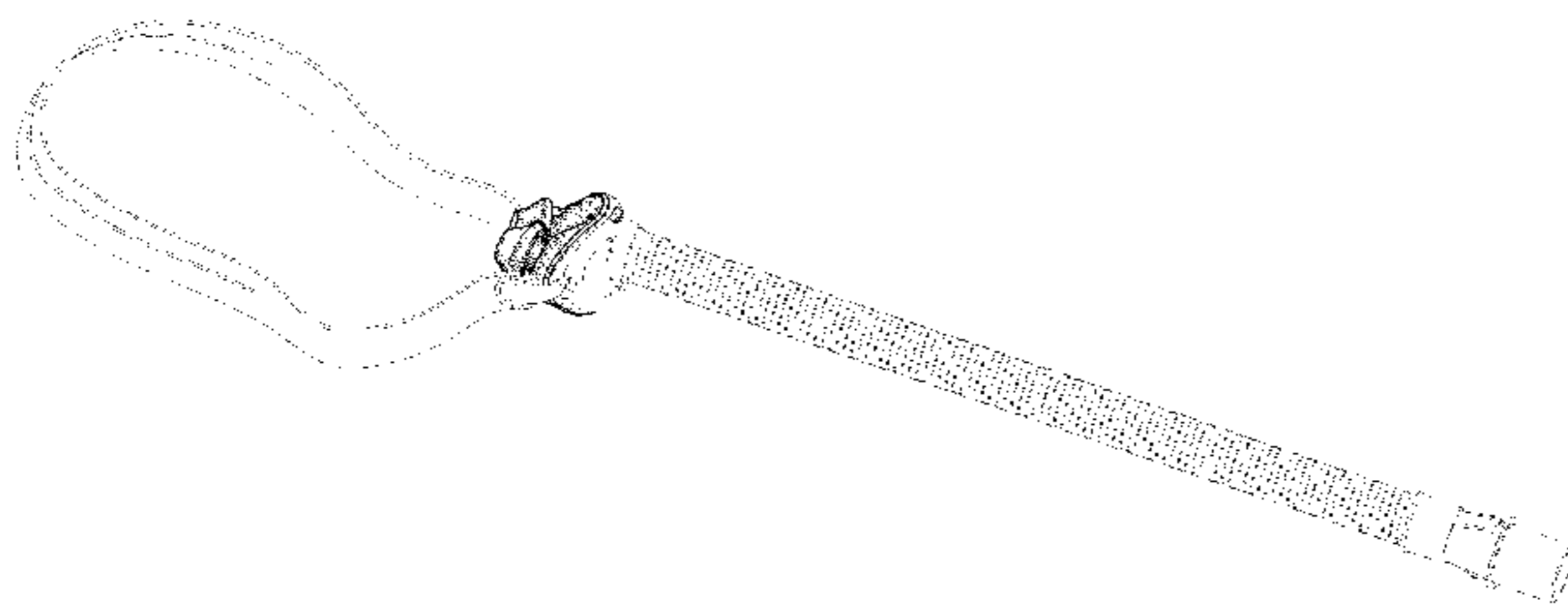
(57) **CLAIM**

The ornamental design for a plenum, clip and nozzles module for patient interface, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a plenum, clip and nozzles module for patient interface showing an embodiment according to our new ornamental 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 another perspective view thereof;
FIG. 10 is a perspective view of a plenum, clip and nozzles module for patient interface showing an embodiment according to our new ornamental design;
FIG. 11 is an enlarged perspective view thereof in isolation;
FIG. 12 is a front view thereof;
FIG. 13 is a rear view thereof;
FIG. 14 is a top view thereof;
FIG. 15 is a bottom view thereof;
FIG. 16 is a right side view thereof;
FIG. 17 is a left side view thereof; and
FIG. 18 is another perspective view thereof.
The broken lines represent environment or structure and do not form a portion of the claimed design.
The use of different types of shading in FIGS. 1-9, e.g., stipple-type shading, line shading, etc., is intended to indicate different materials.

1 Claim, 10 Drawing Sheets



Related U.S. Application Data

continuation-in-part of application No. 29/461,681,
filed on Jul. 26, 2013, now abandoned.

(58) **Field of Classification Search**

USPC 128/206.11–206.13, 207.12, 207.13,
128/207.17, 207.18; 2/171, 181, 255
CPC A61M 16/06; A61M 16/0683; A61M
16/0816; A61M 16/0622; A61M 16/0066;
A61M 16/0666; A61M 16/0605; A61M
16/0616; A61M 2206/14; A61M
2210/0618; A62B 18/084

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,581,594 B1 6/2003 Drew et al.
6,805,117 B1 10/2004 Ho et al.
6,823,869 B2 11/2004 Raje et al.
6,854,465 B2 2/2005 Bordewick et al.
7,318,437 B2 1/2008 Gunaratnam et al.
D589,139 S * 3/2009 Guney D24/110.1
7,562,658 B2 7/2009 Madaus et al.
D612,933 S 3/2010 Prentice et al.
D614,288 S 4/2010 Judson et al.
7,743,767 B2 6/2010 Ging et al.
D626,646 S 11/2010 Lubke
7,942,148 B2 5/2011 Davidson et al.
D656,231 S 3/2012 Henry et al.
D661,796 S 6/2012 Andrews et al.
D664,250 S 7/2012 Scheiner et al.
D669,576 S 10/2012 Smart et al.
8,371,302 B2 2/2013 Ging et al.
D677,789 S 3/2013 Row et al.
D687,539 S * 8/2013 Matula, Jr. D24/110.1
8,550,084 B2 10/2013 Ng et al.
8,757,162 B2 6/2014 Veliss et al.
D708,736 S 7/2014 Judson et al.
8,770,198 B2 7/2014 Yee et al.
8,839,791 B2 9/2014 Allum et al.
8,844,533 B2 9/2014 Allum et al.
D729,381 S * 5/2015 Himes D24/110.1
D746,436 S * 12/2015 Guney D24/110.1

D747,460 S * 1/2016 Hogeia D24/110.1
D753,819 S * 4/2016 Rummery D24/110.1
D757,250 S * 5/2016 Veliss D24/110.4
2006/0107958 A1 5/2006 Sleeper
2008/0185007 A1 8/2008 Sleeper et al.
2009/0044808 A1 2/2009 Guney et al.
2009/0044810 A1 2/2009 Kwok et al.
2009/0050156 A1 2/2009 Ng et al.
2009/0078259 A1 3/2009 Kooij et al.
2009/0107508 A1 4/2009 Brambilla et al.
2009/0151729 A1 6/2009 Judson et al.
2010/0000543 A1 1/2010 Berthon-Jones et al.
2010/0215351 A1 8/2010 Forrester
2010/0319700 A1 12/2010 Ng et al.
2011/0056497 A1 3/2011 Scheiner et al.
2011/0072553 A1 3/2011 Ho
2011/0265796 A1 11/2011 Amarasinghe et al.
2012/0012114 A1 1/2012 Chandran et al.
2012/0152254 A1 6/2012 Smith et al.
2012/0227738 A1 9/2012 Virr et al.
2012/0318270 A1 12/2012 McAuley et al.
2012/0325205 A1 12/2012 Allum et al.
2013/0074845 A1 3/2013 Smith et al.
2013/0233318 A1 9/2013 Graham et al.
2013/0239973 A1 9/2013 Scheiner et al.
2013/0291870 A1 11/2013 Ging et al.
2014/0026890 A1 1/2014 Haskard et al.
2014/0102452 A1 4/2014 Forrester
2014/0202466 A1 7/2014 Ho et al.
2014/0326248 A1 11/2014 Haibach et al.

FOREIGN PATENT DOCUMENTS

NZ 553756 6/2007
NZ 553822 6/2007
NZ 553824 6/2007
NZ 553825 6/2007
NZ 562418 11/2007
NZ 562419 11/2007
WO WO 00/69521 11/2000
WO WO 02/11804 2/2002
WO WO 2005/010608 2/2008
WO WO 2009/052560 4/2009
WO WO 2011/121466 10/2011
WO WO 2013/057647 4/2013

* cited by examiner

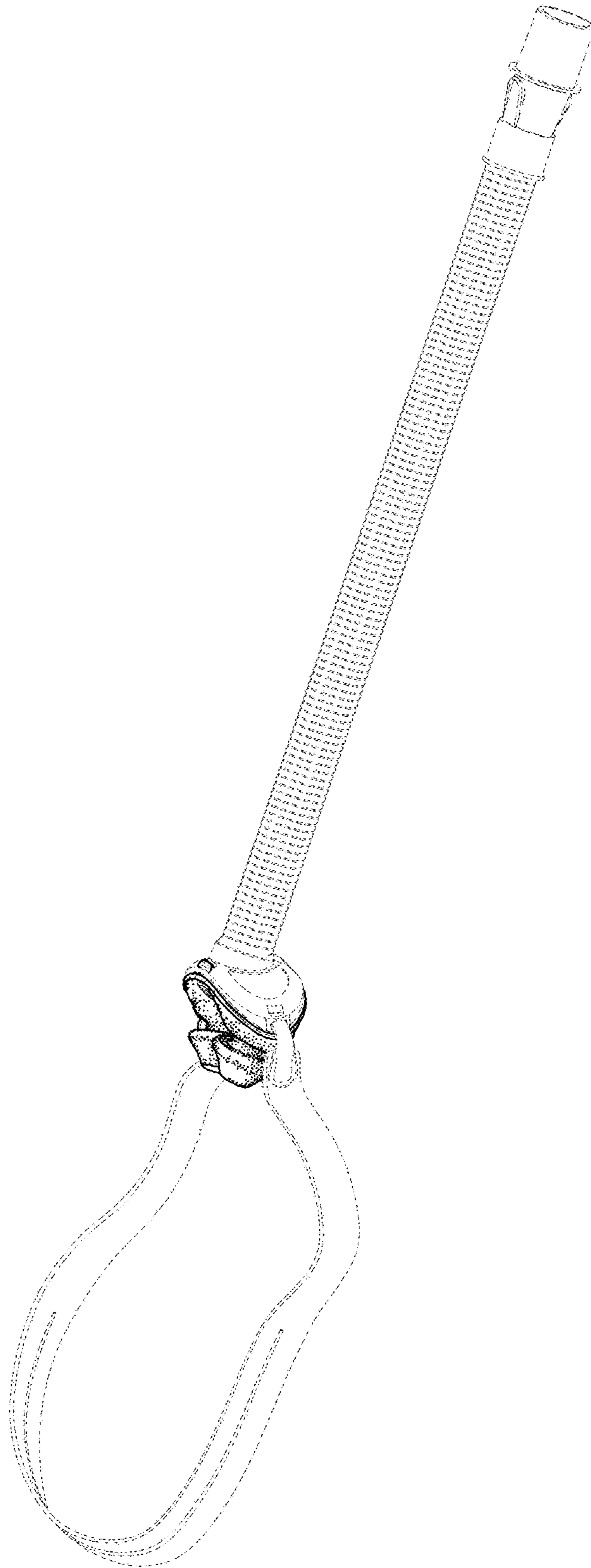


FIG. 1

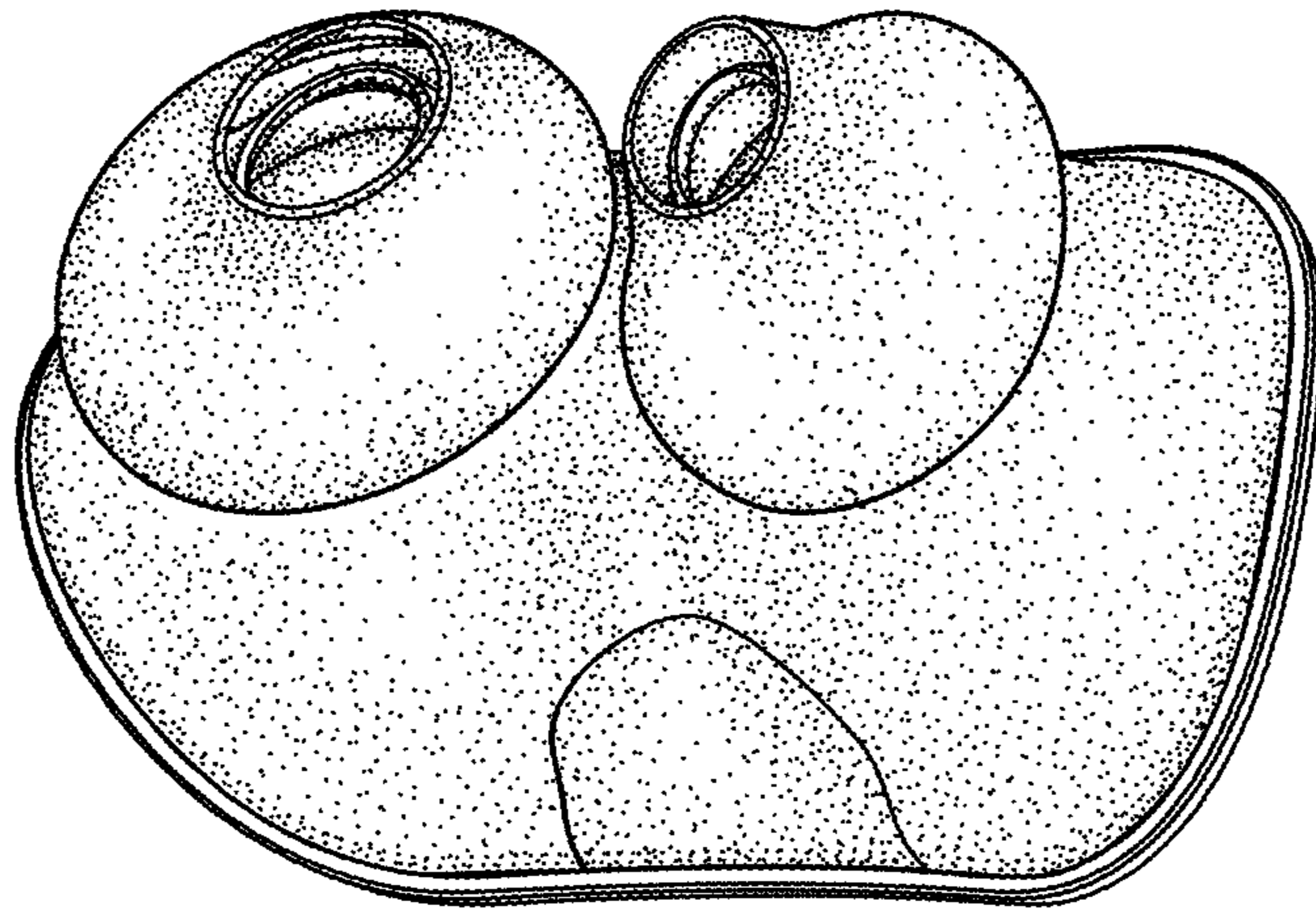


FIG. 2

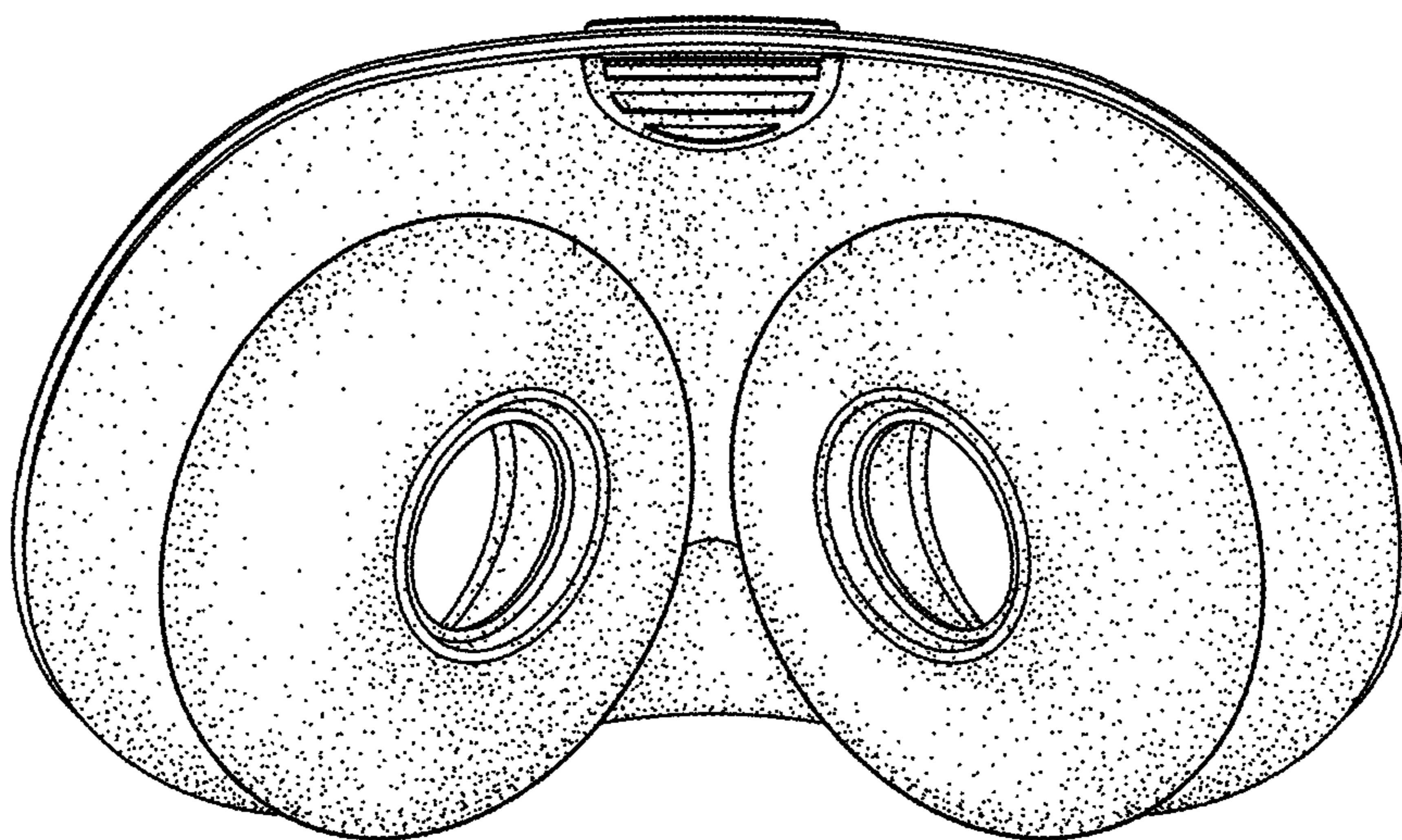


FIG. 3

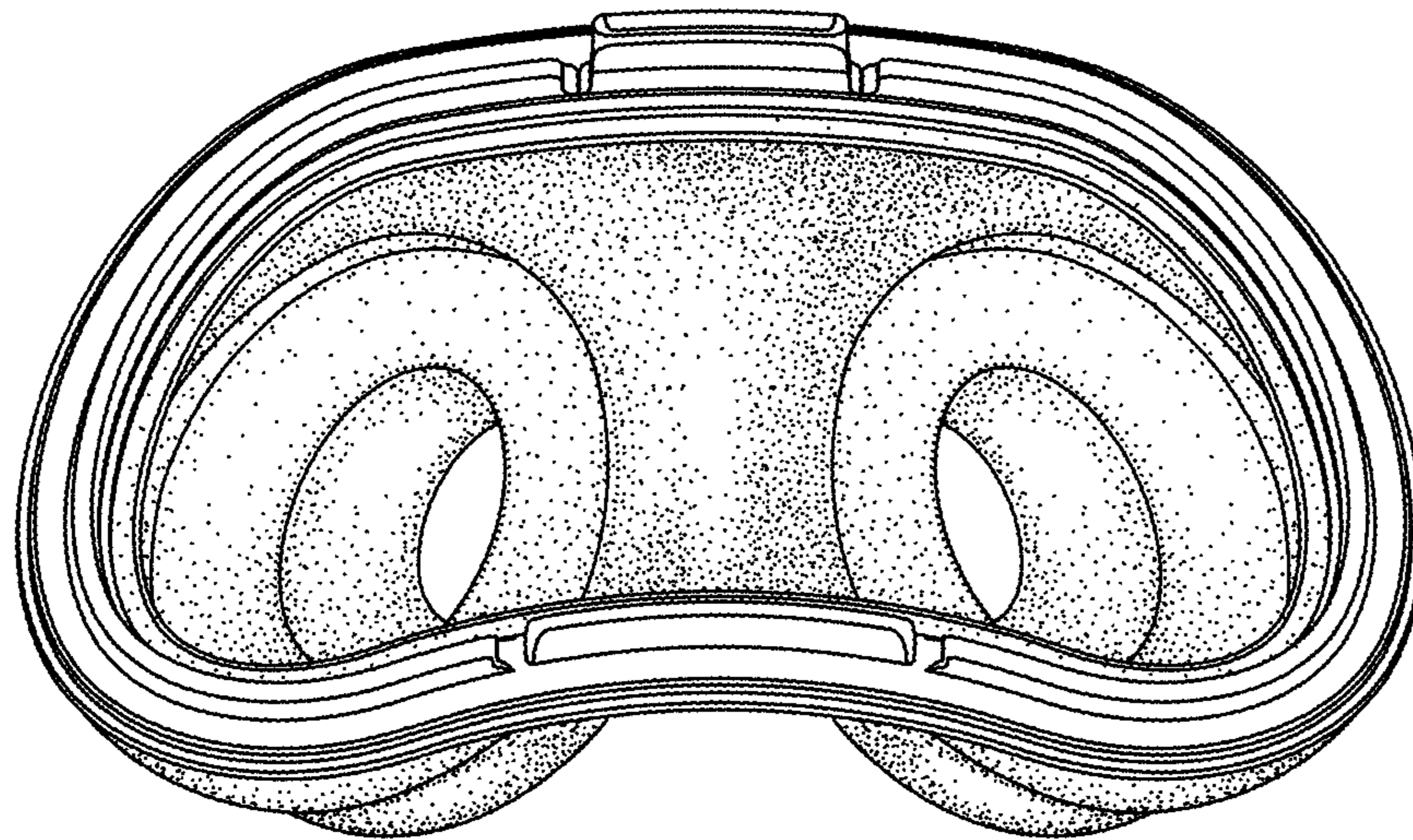


FIG. 4

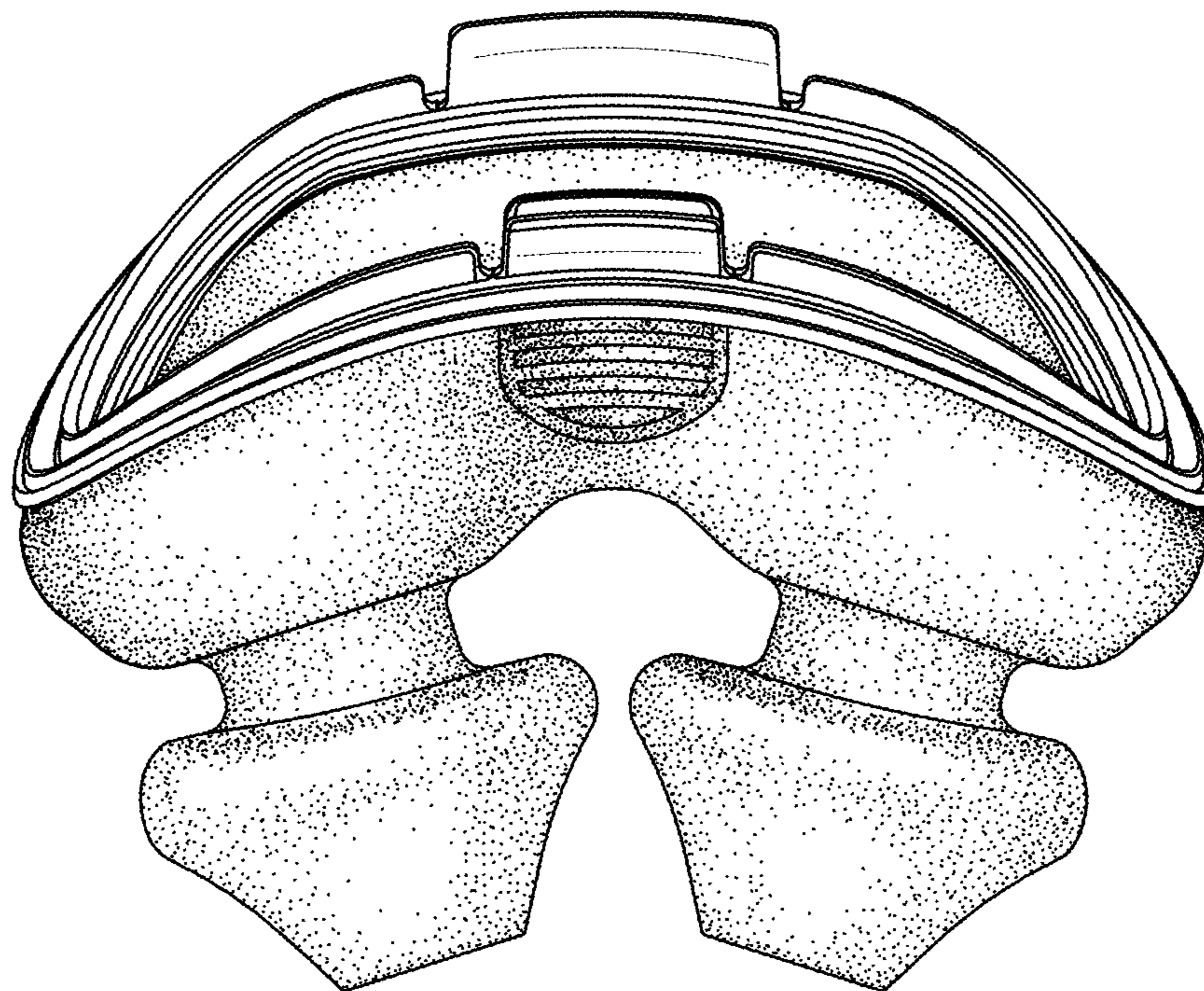


FIG. 5

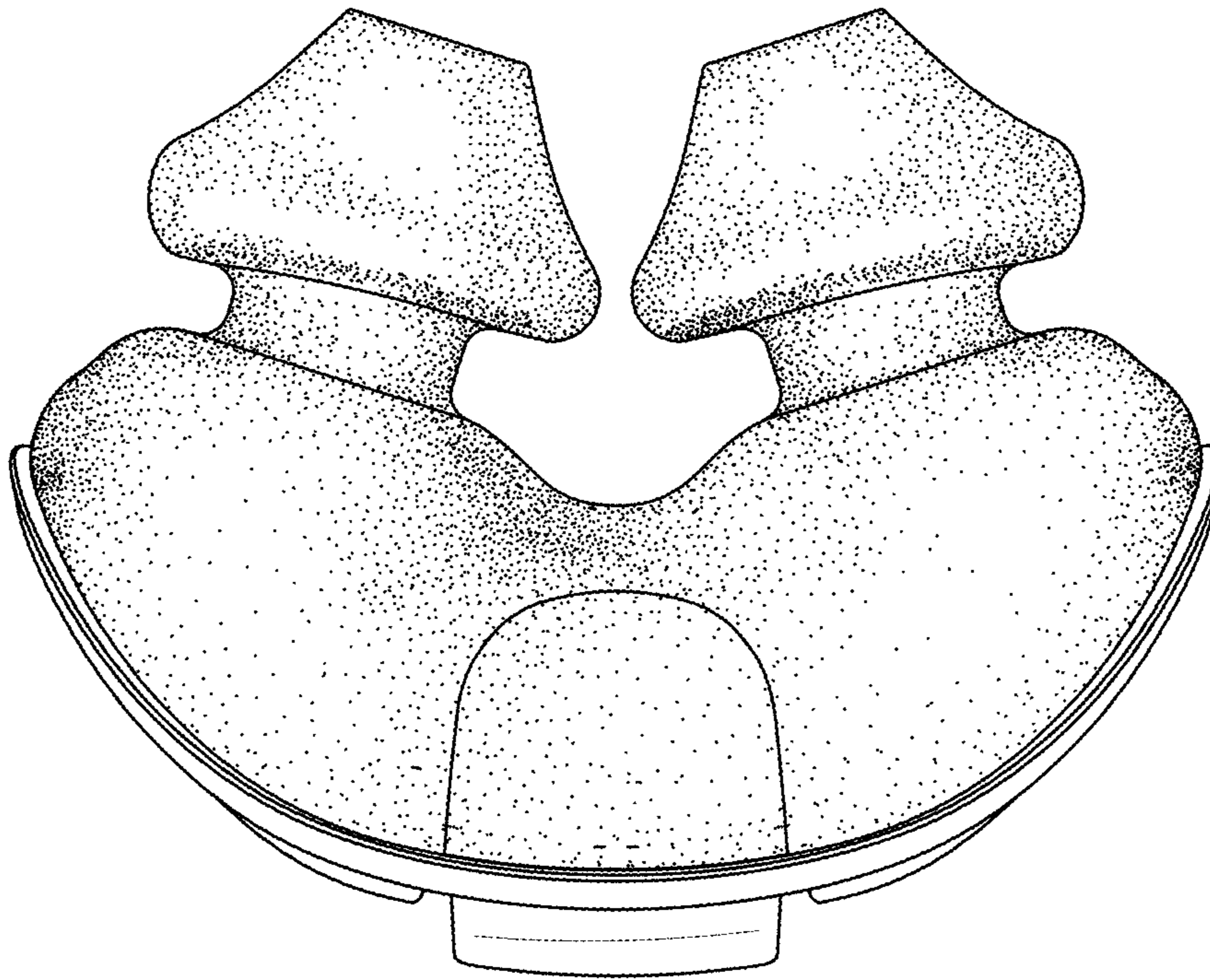


FIG. 6

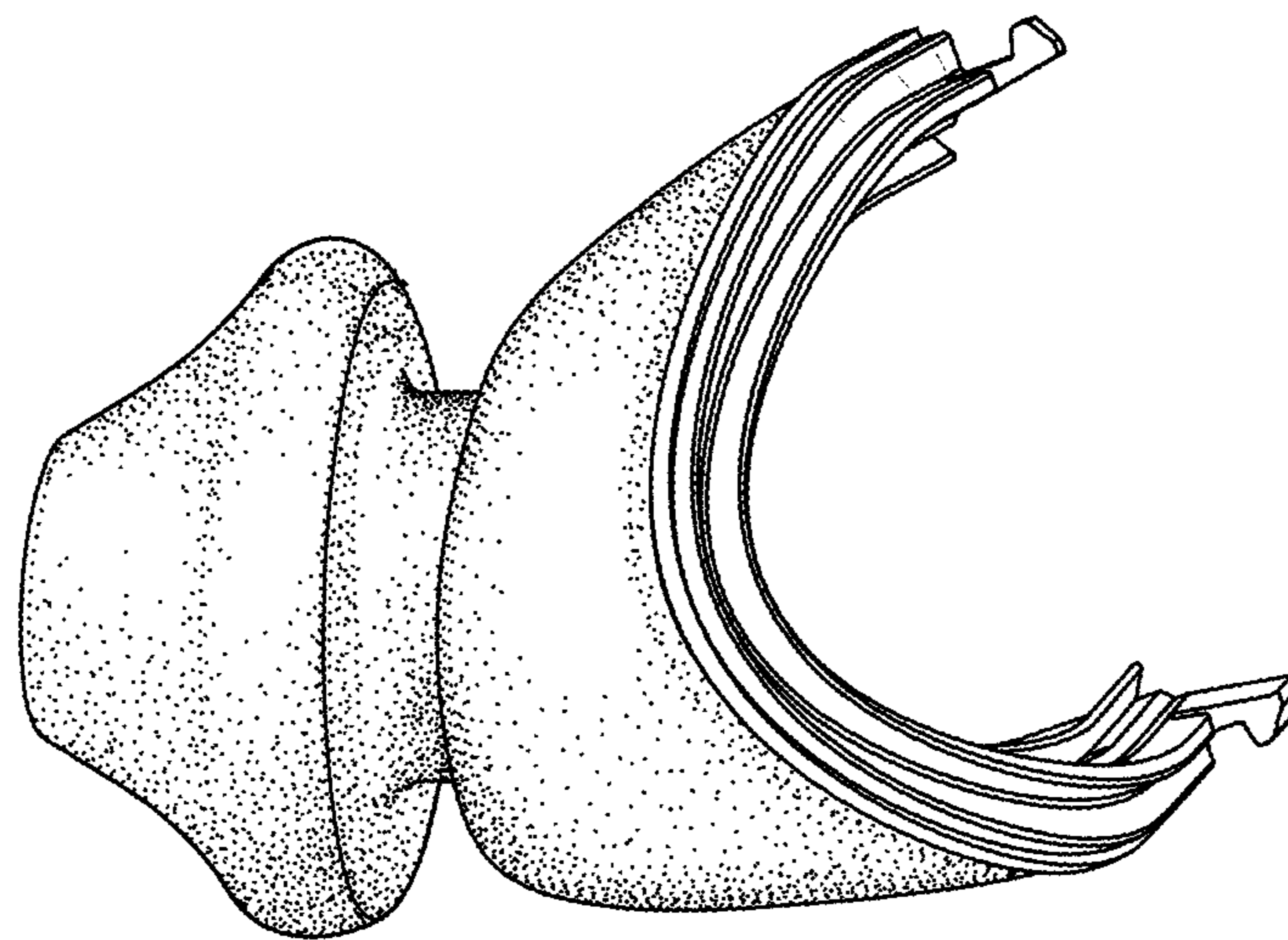


FIG. 7

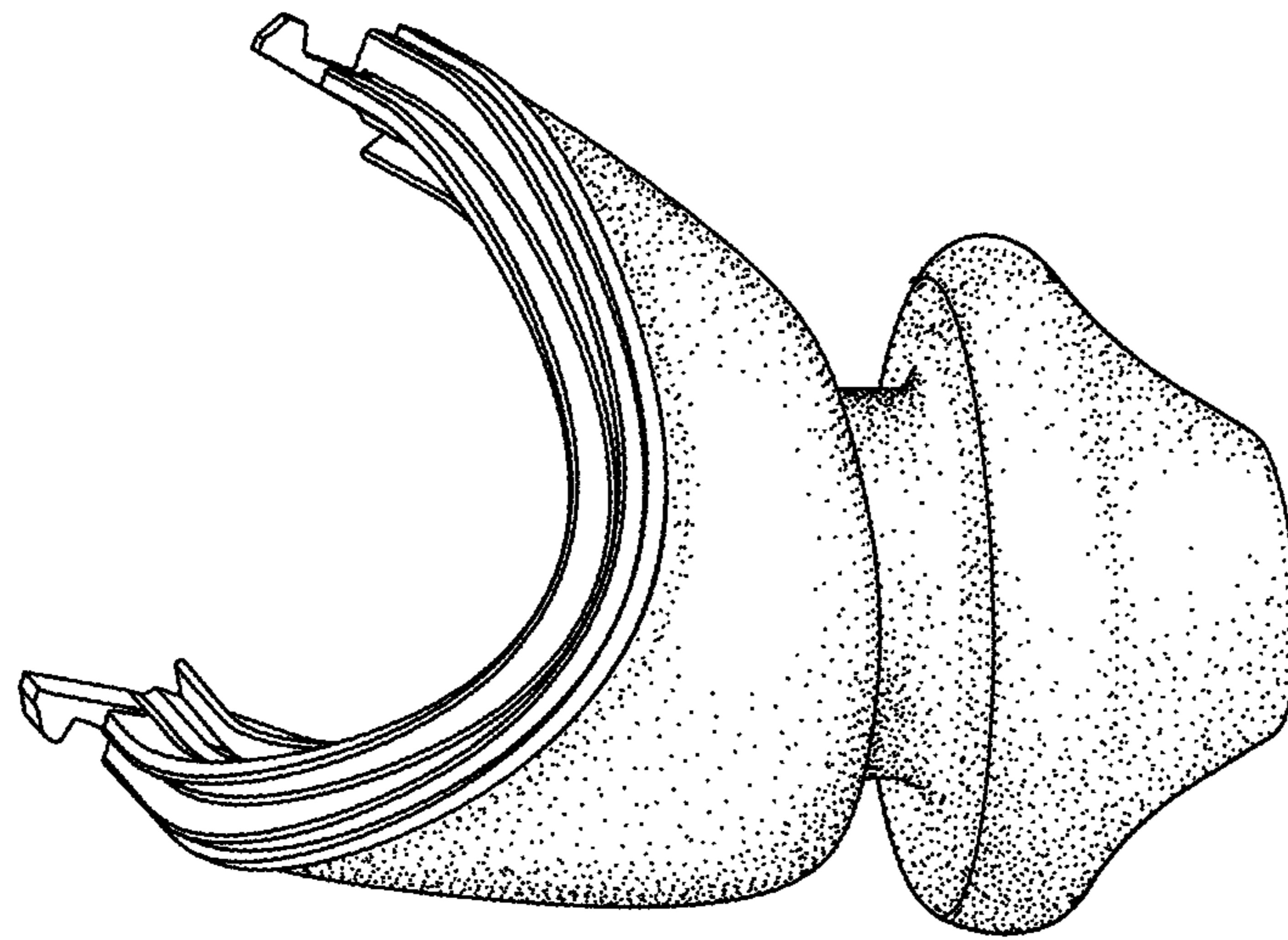


FIG. 8

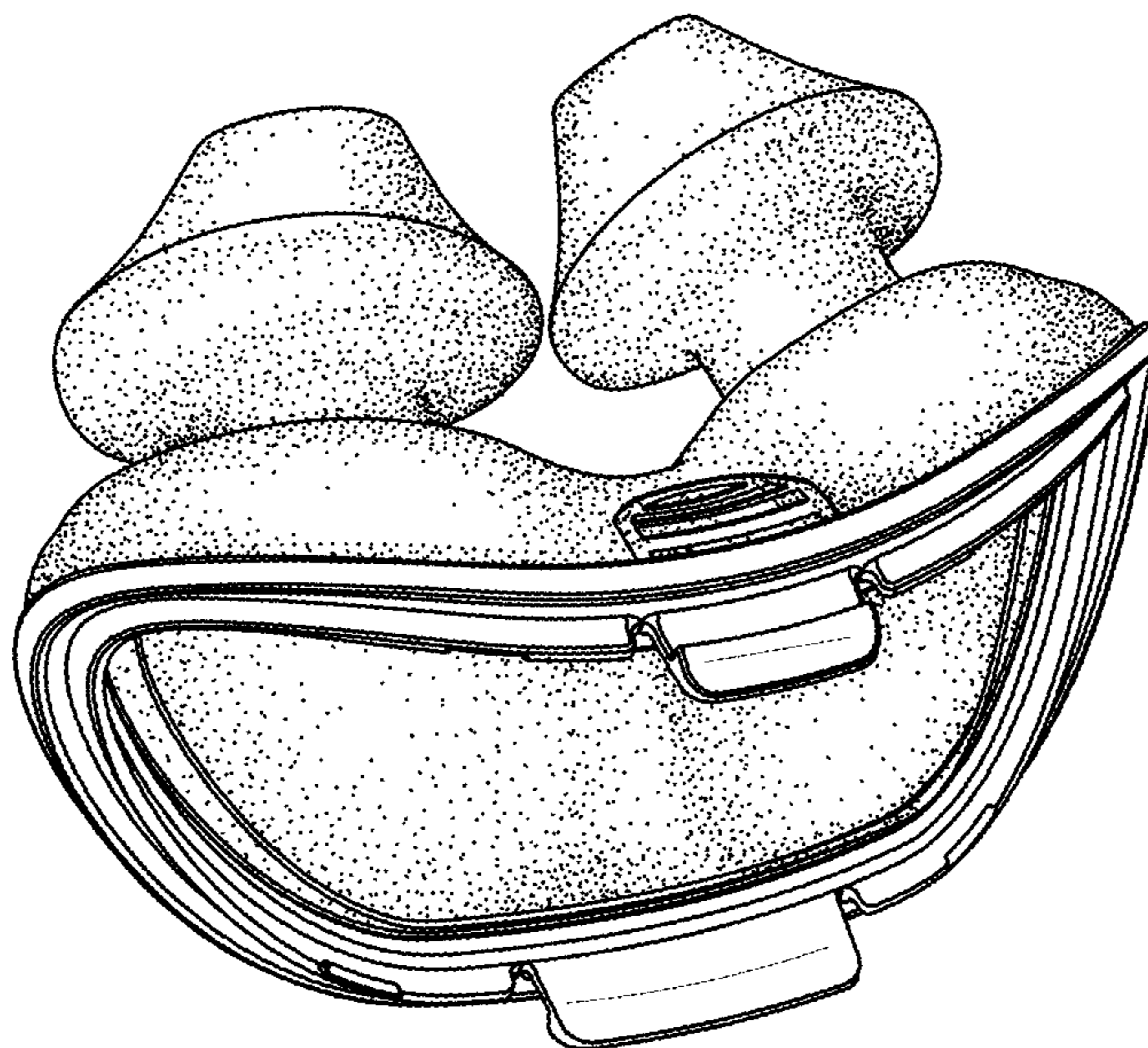


FIG. 9

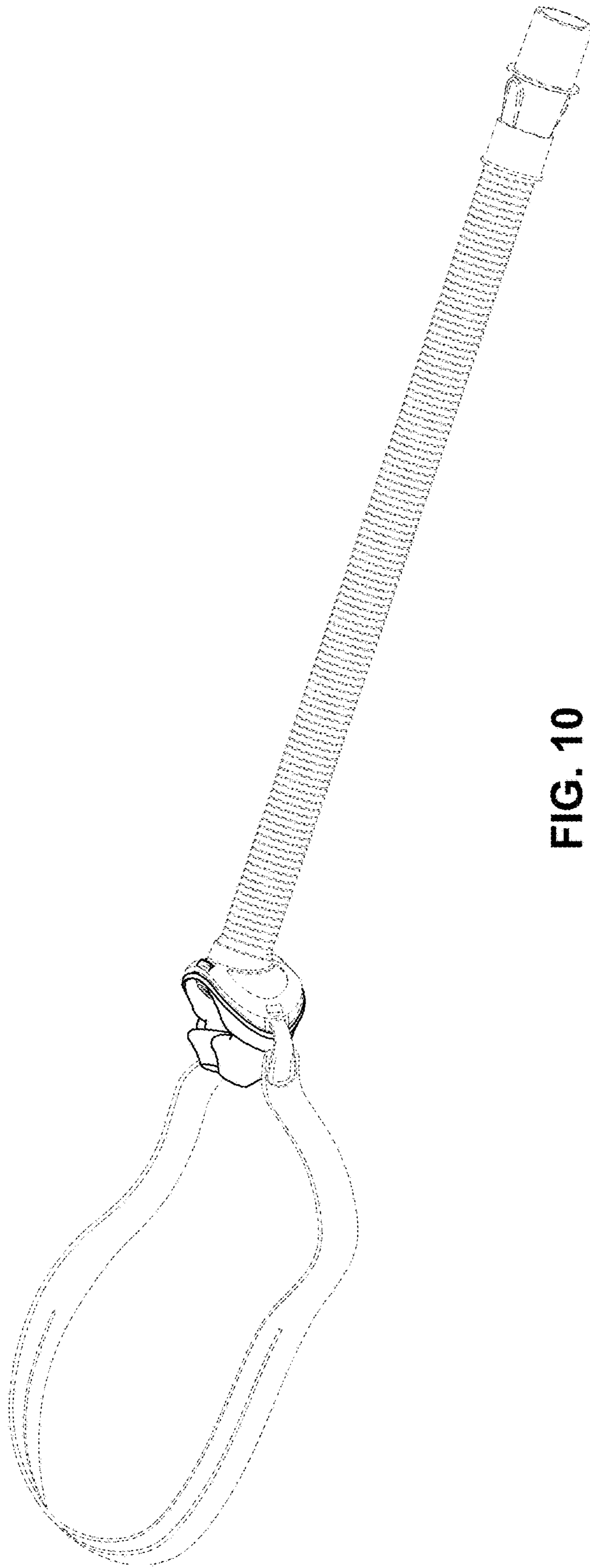


FIG. 10

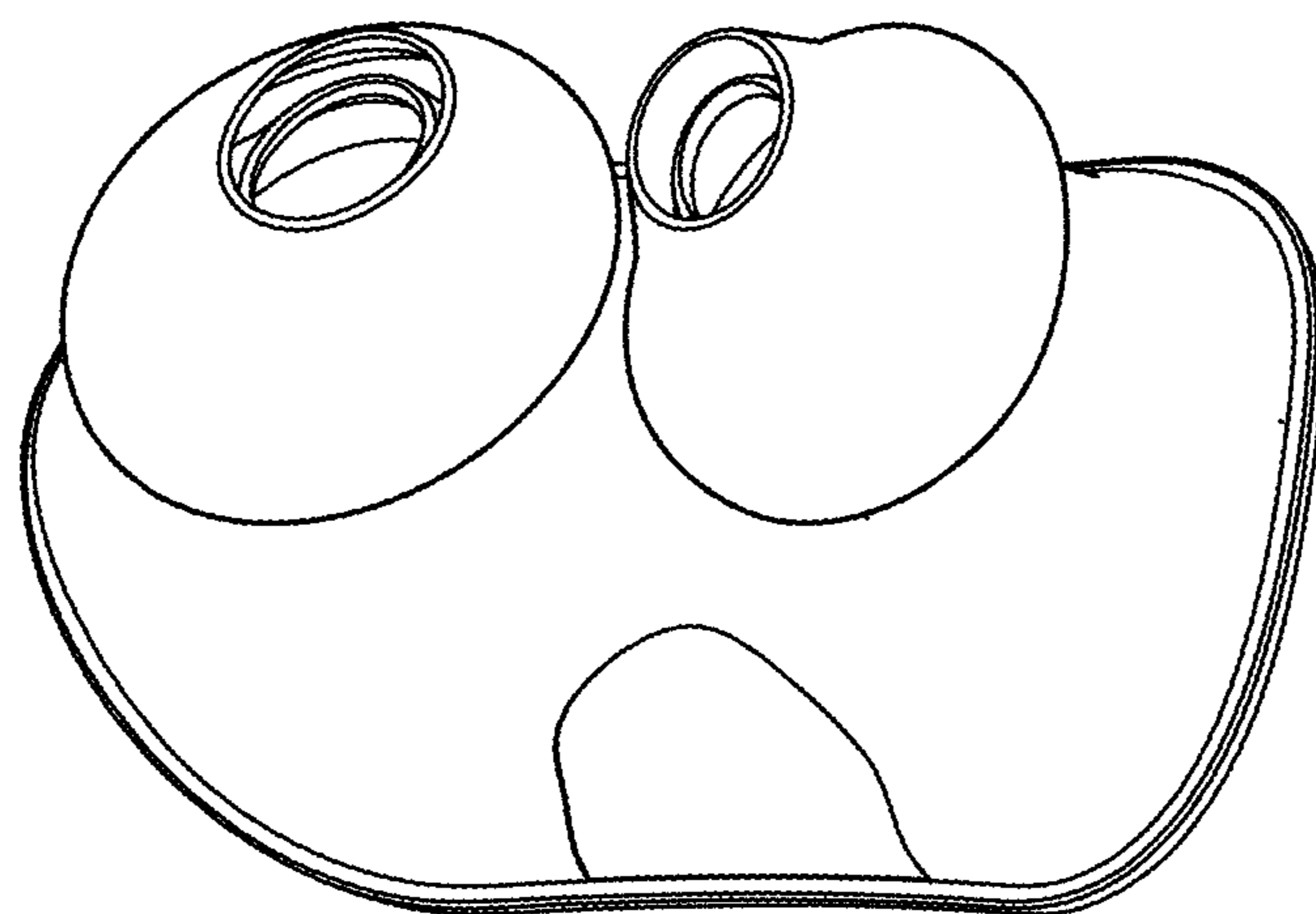


FIG. 11

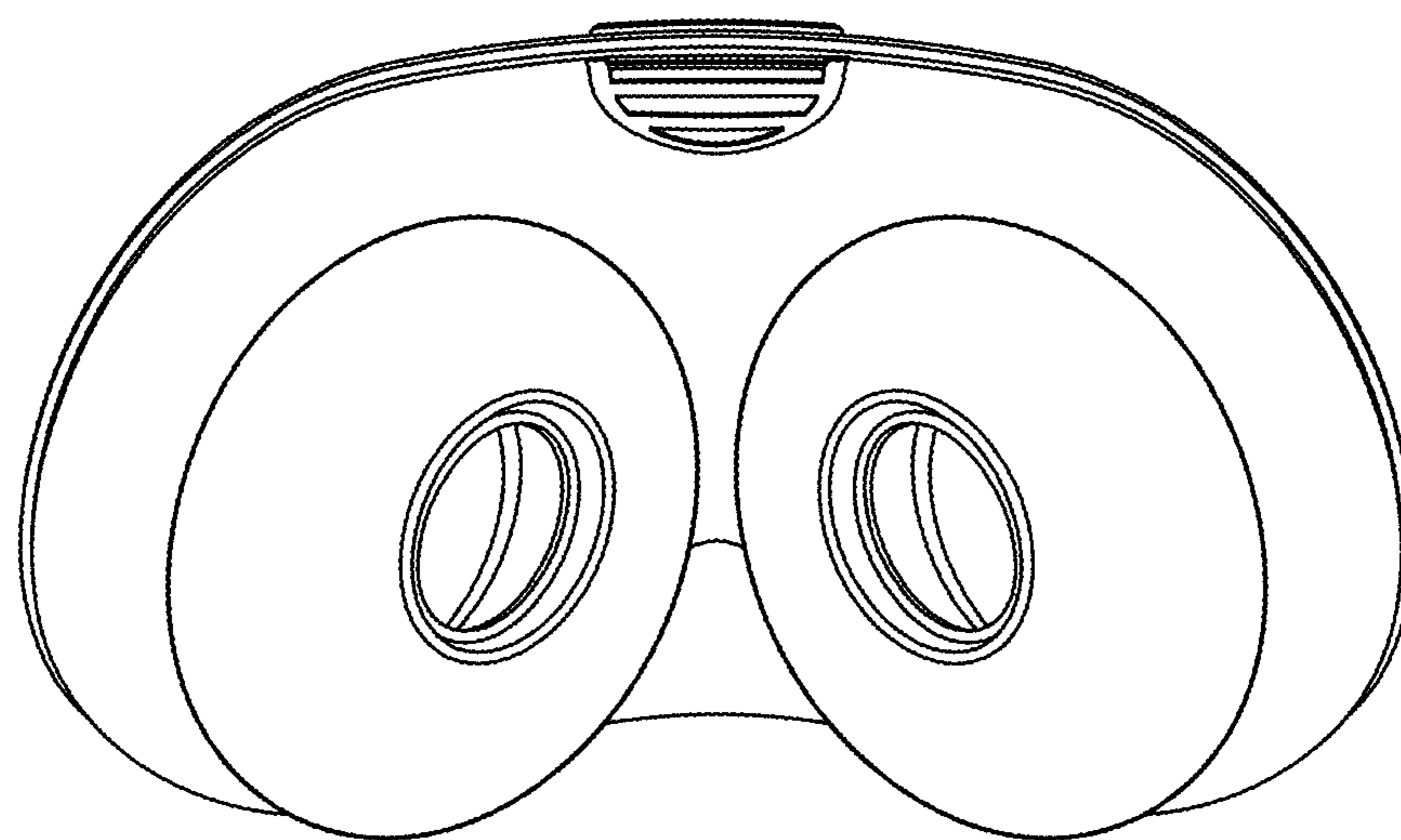


FIG. 12

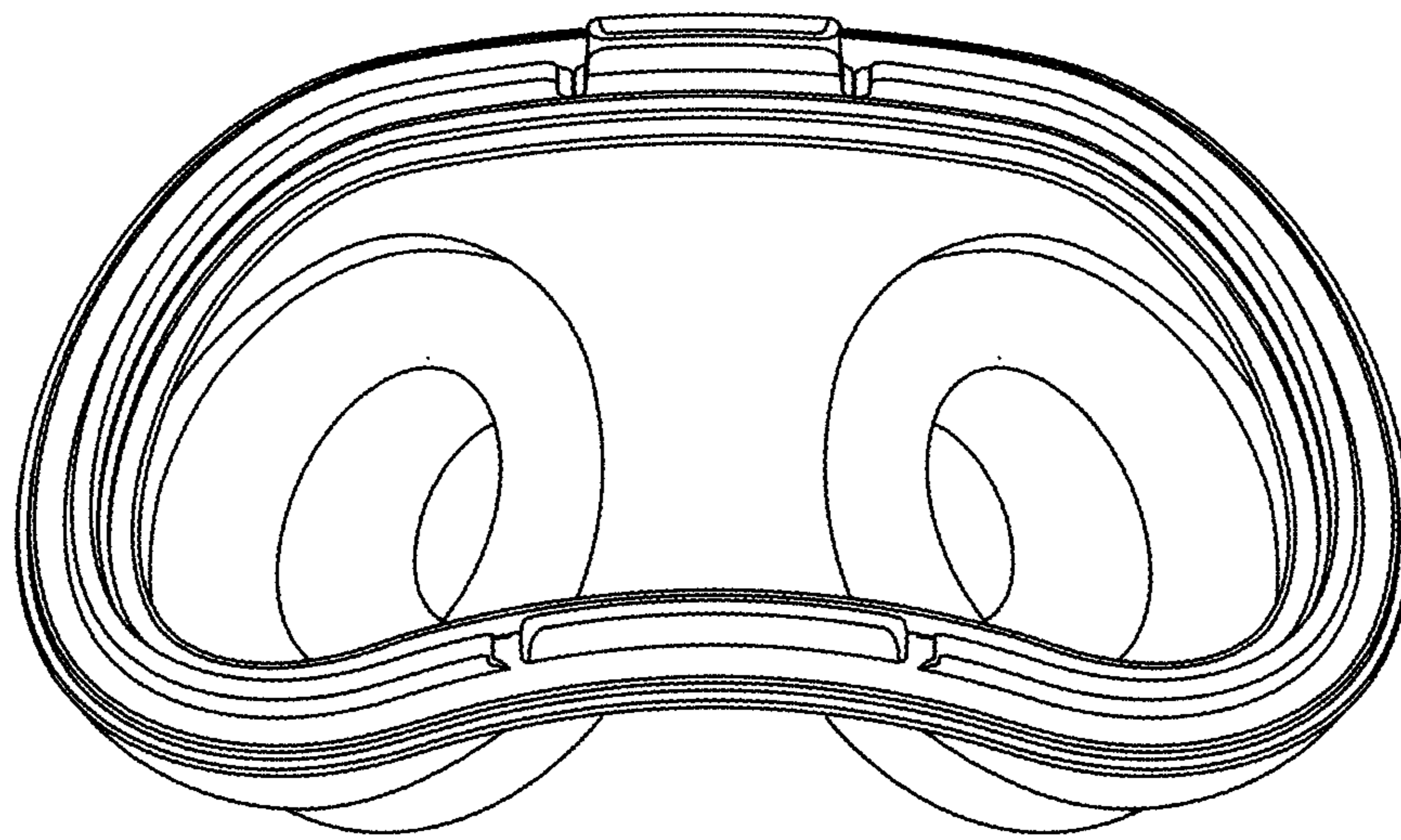


FIG. 13

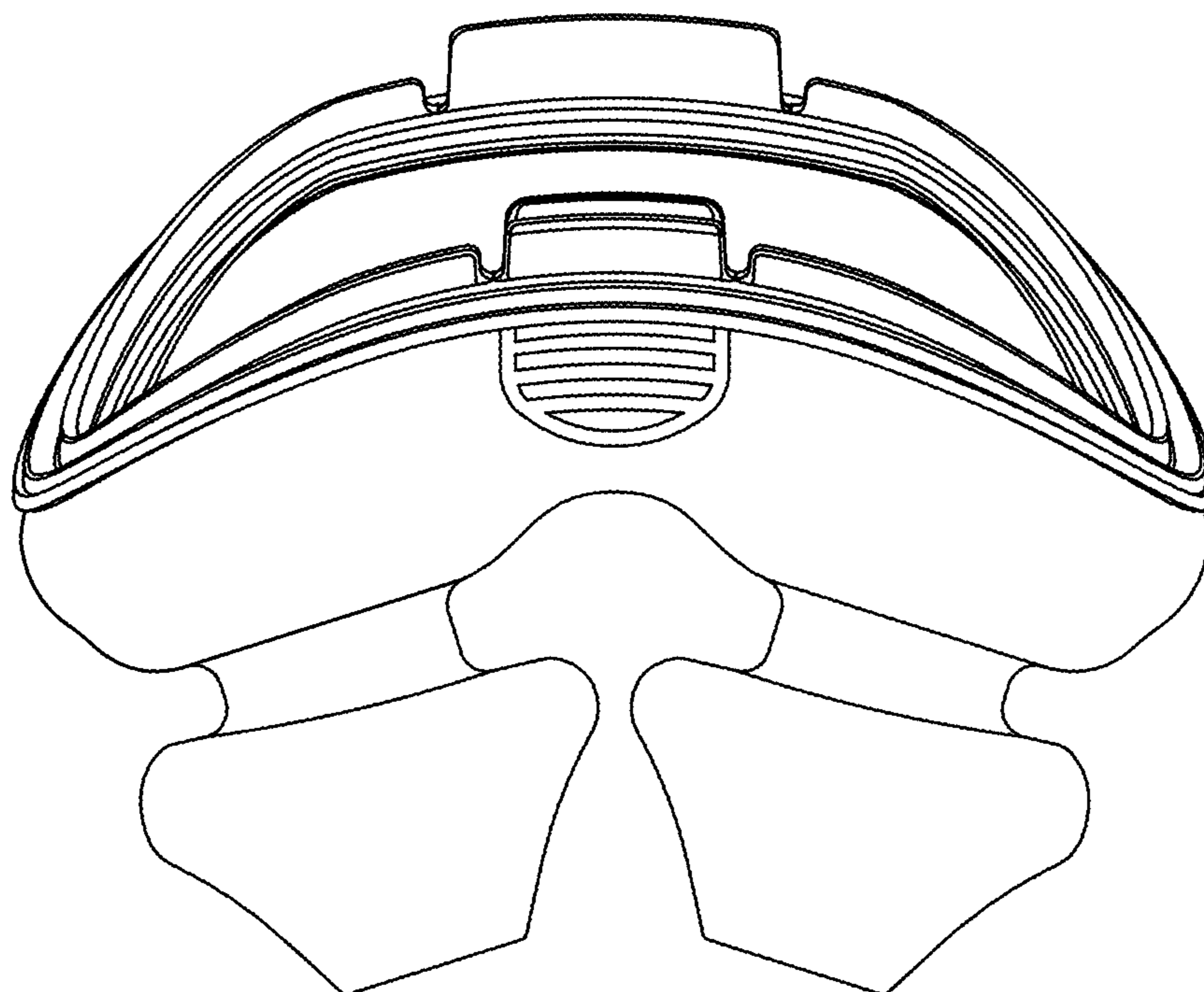


FIG. 14

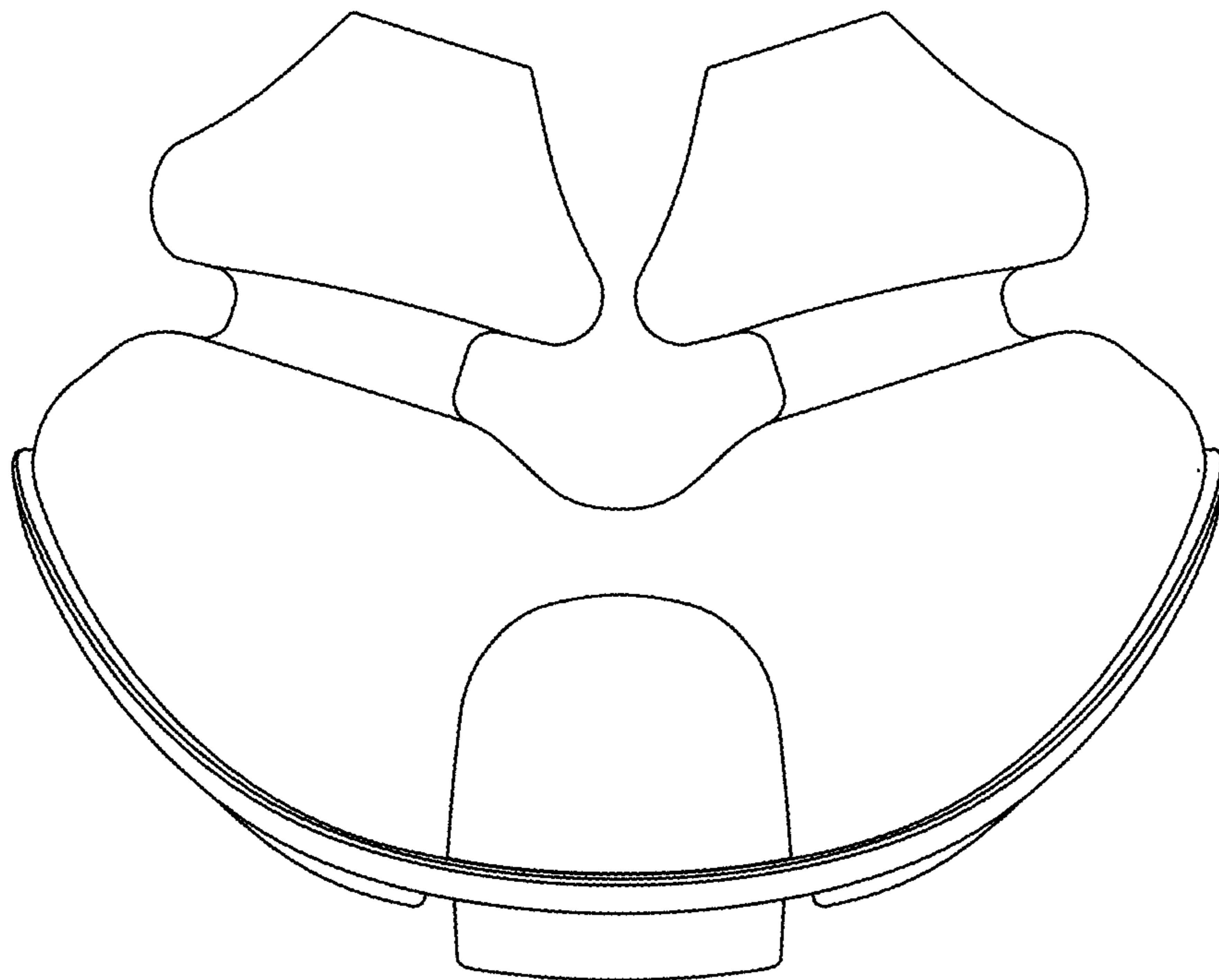


FIG. 15

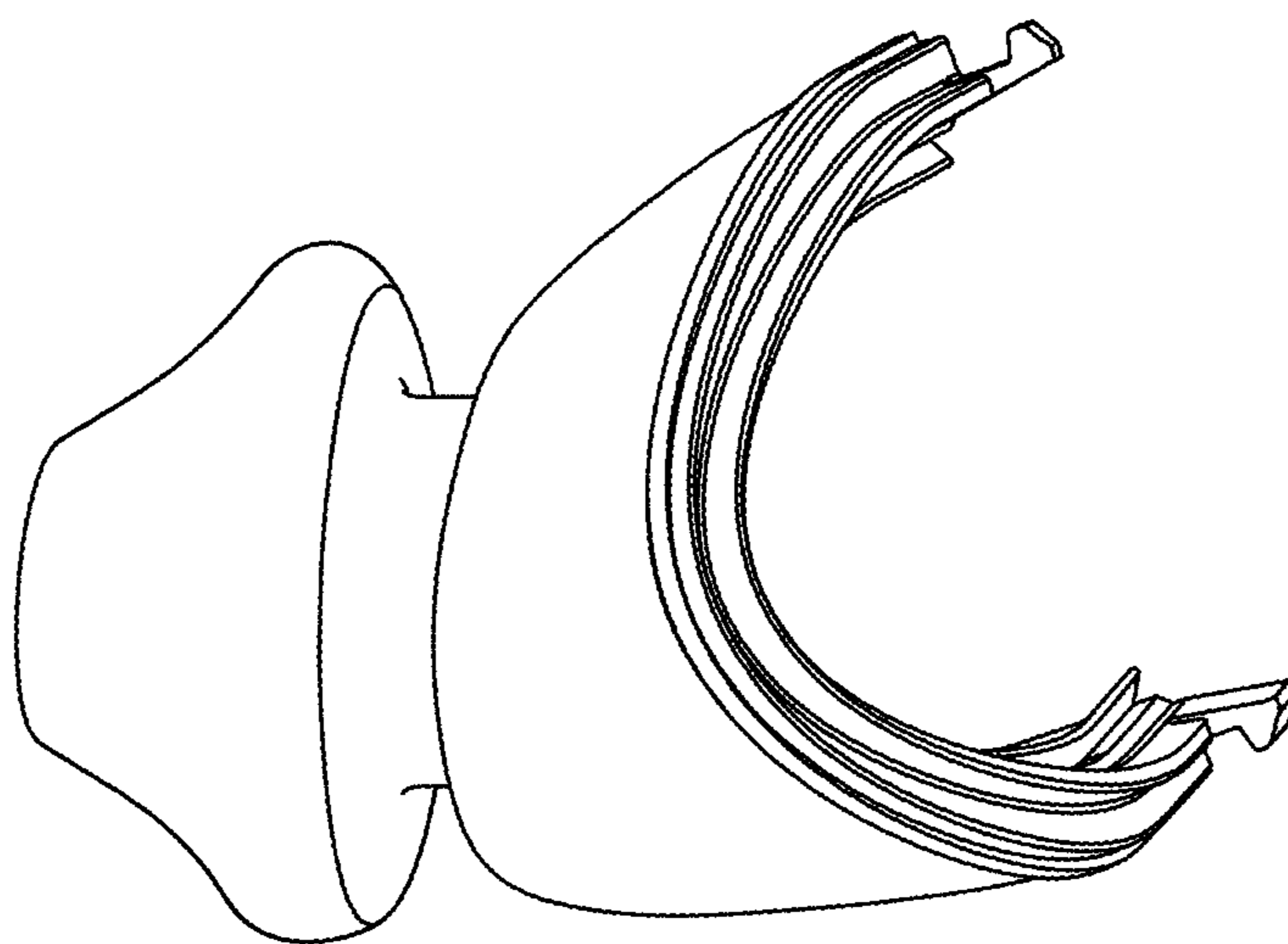


FIG. 16

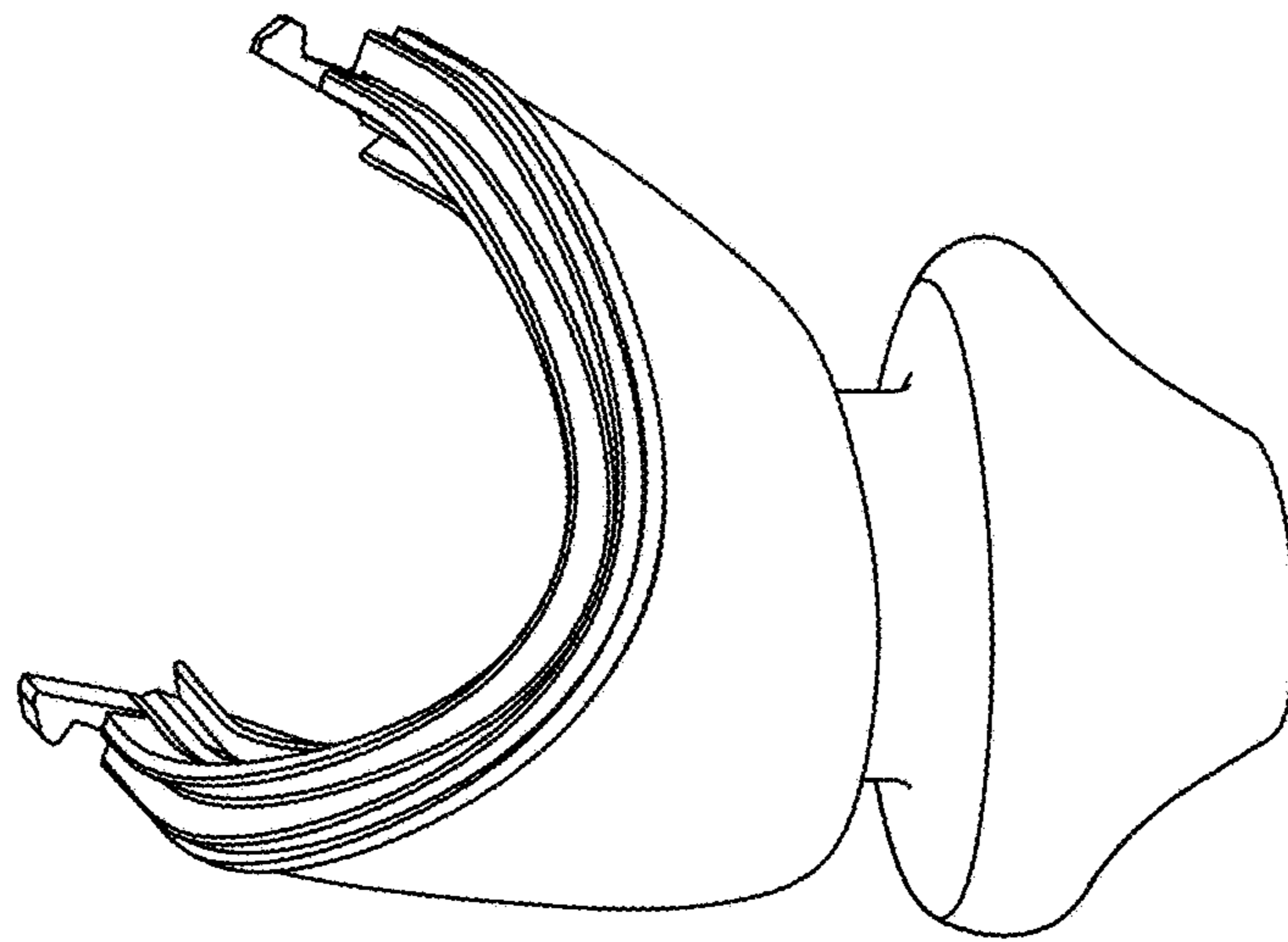


FIG. 17

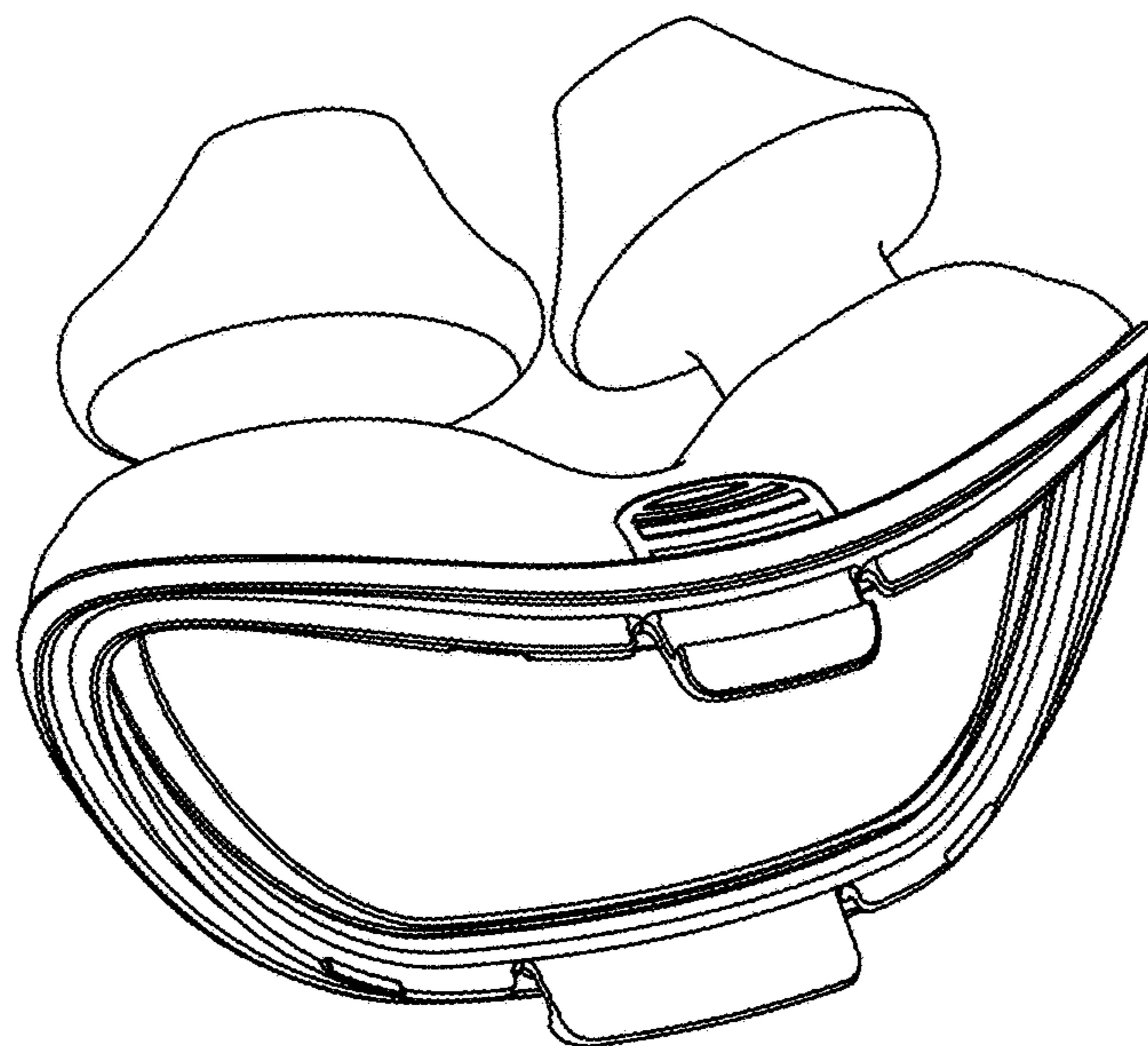


FIG. 18