US00D800118S

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

(10) **Patent No.: US D800,118 S**
(45) **Date of Patent: ** Oct. 17, 2017**

(54) **WEARABLE ARTIFICIAL INTELLIGENCE DATA PROCESSING, AUGMENTED REALITY, VIRTUAL REALITY, AND MIXED REALITY COMMUNICATION EYEGLASS INCLUDING MOBILE PHONE AND MOBILE COMPUTING VIA VIRTUAL TOUCH SCREEN GESTURE CONTROL AND NEURON COMMAND**

(71) Applicants: **Zhou Tian Xing**, Tiburon, CA (US); **Dylan T X Zhou**, Belvedere Tiburon, CA (US); **Tiger T G Zhou**, Tiburon, CA (US); **Andrew H B Zhou**, Tiburon, CA (US)

(72) Inventors: **Zhou Tian Xing**, Tiburon, CA (US); **Dylan T X Zhou**, Belvedere Tiburon, CA (US); **Tiger T G Zhou**, Tiburon, CA (US); **Andrew H B Zhou**, Tiburon, CA (US)

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

(21) Appl. No.: **29/587,752**

(22) Filed: **Dec. 15, 2016**

Related U.S. Application Data

(63) Continuation-in-part of application No. 29/572,722, filed on Jul. 29, 2016, and a continuation-in-part of (Continued)

(51) **LOC (10) Cl.** **14-02**
(52) **U.S. Cl.**
USPC **D14/372**
(58) **Field of Classification Search**
USPC ..... D14/372, 496, 432, 371, 125, 126, 129, D14/299; D16/300–342; 351/158, 153, (Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

D439,265 S * 3/2001 Hayashi D14/372
D667,483 S * 9/2012 Krsmanovic D16/300
(Continued)

Primary Examiner — Austin Murphy
(74) *Attorney, Agent, or Firm* — Georgiy L. Khayet

(57) **CLAIM**

The ornamental design for an wearable artificial intelligence data processing, augmented reality, virtual reality, and mixed reality communication eyeglass including mobile phone and mobile computing via virtual touch screen gesture control and neuron command, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of a wearable artificial intelligence data processing, augmented reality, virtual reality, and mixed reality communication eyeglass including mobile phone and mobile computing via virtual touch screen gesture control and neuron command with FIG. **1**A as augmented reality device, and FIG. **1**B as virtual reality, and mixed reality communication eyeglass/headsets all in one showing the new design;

FIG. **2** is a front perspective view showing FIG. **2**A as augmented reality device with folding arrangement and FIG. **2**B showing extra two memory card and charge slots thereof;

FIG. **3** is a front perspective top view thereof;

FIG. **4** is a perspective view showing dual SIM card thereof;

FIG. **5** is a left side view with touch control panel thereof;

FIG. **6** is a right side view with touch control panel thereof;

FIG. **7** is a front view with two cameras thereof;

FIG. **8** is a back view thereof;

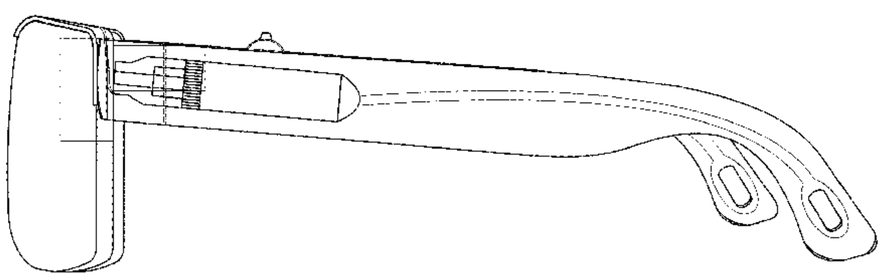
FIG. **9** is a top view showing the augmented prisma thereof;

FIG. **10** is a bottom view thereof;

FIG. **11** is a front perspective top view with skin contact sensors for heart rate, blood pressure and other health data processing thereof;

FIG. **12** is a perspective bottom view with skin contact sensors for heart rate, blood pressure and other health data processing thereof;

FIG. **13** is a back view of FIG. **12**;
(Continued)



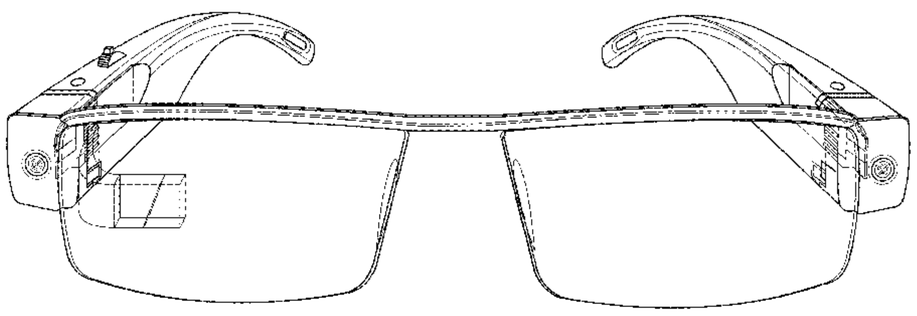


FIG. **14** is a perspective view of the skin contact sensor shown removed from the article for completeness of illustration;
FIG. **15** is a perspective view of augmented reality and virtual reality glass on human head thereof;
FIG. **16** is a perspective view with virtual reality on top of human head, and augmented reality in front of human eyes thereof;
FIG. **17** is a perspective view with virtual reality at back of human head, and augmented reality in front of human eyes thereof;
FIG. **18** is a perspective view of mixed reality combing augmented reality and virtual reality together thereof;
FIG. **19** is a perspective top view with virtual reality on top and augmented reality in front thereof;
FIG. **20** is a perspective view with virtual reality at the back and augmented reality in front thereof;
FIG. **21** is a perspective view with virtual reality in front and augmented reality on top thereof;
FIG. **22** is a front view of mixed reality with two cameras thereof;
FIG. **23** is a back view with mixed reality headsets thereof;
FIG. **24** is a left side view of mixed reality headsets thereof;
FIG. **25** is a right side view of mixed reality headsets thereof;
FIG. **26** is a top view of mixed reality headsets thereof; and,
FIG. **27** is a bottom view of mixed reality headsets thereof.
The broken lines human heads of FIGS. **15**, **16** and **17** showing the device has bone conduct of sound functions, no need earphones, but broken lines illustrate environmental factors only and form no part of the claimed design.

1 Claim, 27 Drawing Sheets

Related U.S. Application Data

application No. 29/567,712, filed on Jun. 10, 2016, and a continuation-in-part of application No. 14/940,379, filed on Nov. 13, 2015, now Pat. No. 9,493,235, and a continuation-in-part of application No. 15/345,349, filed on Nov. 7, 2016, now Pat. No. 9,652,758, which is a continuation-in-part of application No. 14/957,644, filed on Dec. 3, 2015, now Pat. No. 9,489,671, which is a continuation-in-part of application No. 14/815,988, filed on Aug. 1, 2015, now Pat. No. 9,342,829, which is a continuation-in-part of application No. 13/760,214, filed on Feb. 6, 2013, now Pat. No. 9,016,565, which is a continuation-in-part of application No. 10/677,098, filed on Sep. 30, 2003, now Pat. No. 7,702,739, application No. 29/587,752, which is a continuation-in-part of application No. 15/350,458, filed on Nov. 14, 2016, and a continuation-in-part of application No. 29/587,388, filed on Dec. 13, 2016, and a continuation-in-part of application No. 29/587,581, filed on Dec. 14, 2016.

(58) **Field of Classification Search**
USPC 351/144; 345/7–9, 905; 455/344; 348/115, 53, 121, 739
CPC G02B 27/017; G02B 27/0158; G02B 27/0161; G02B 27/0181; G02B 27/0185; G02B 27/0189
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D680,152	S	*	4/2013	Olsson	D16/309
D685,019	S	*	6/2013	Li	D16/309
D697,130	S	*	1/2014	Lovgren	D16/309
D701,557	S	*	3/2014	Lee	D16/309
D716,807	S	*	11/2014	Yeom	D14/372
D716,808	S	*	11/2014	Yeom	D14/372
D718,366	S	*	11/2014	Mehin	D16/300
D719,568	S	*	12/2014	Heinrich	D14/372
D727,317	S	*	4/2015	Olsson	D14/372
D738,373	S	*	9/2015	Davies	D14/372
D745,007	S	*	12/2015	Cazalet	D14/372
D746,818	S	*	1/2016	Cho	D14/372
D759,015	S	*	6/2016	Mehin	D14/372
D793,468	S	*	8/2017	Yu	D16/309

* cited by examiner

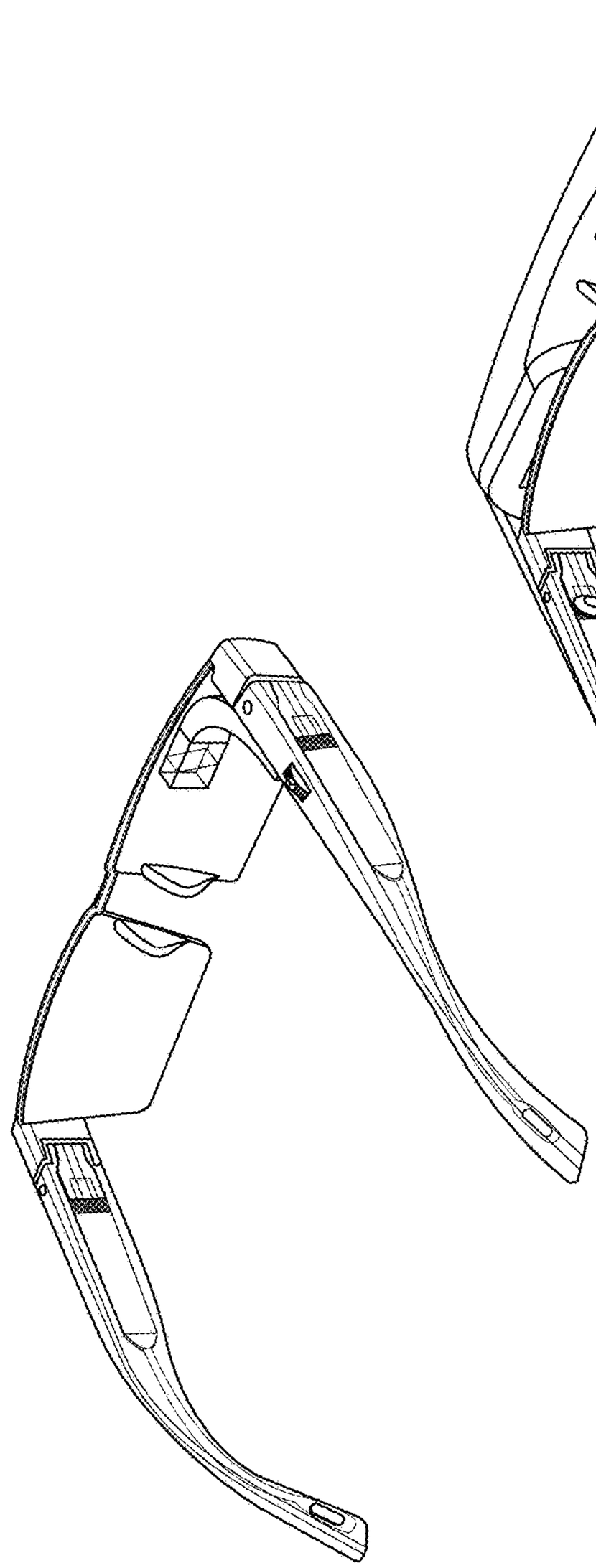


FIG. 1A

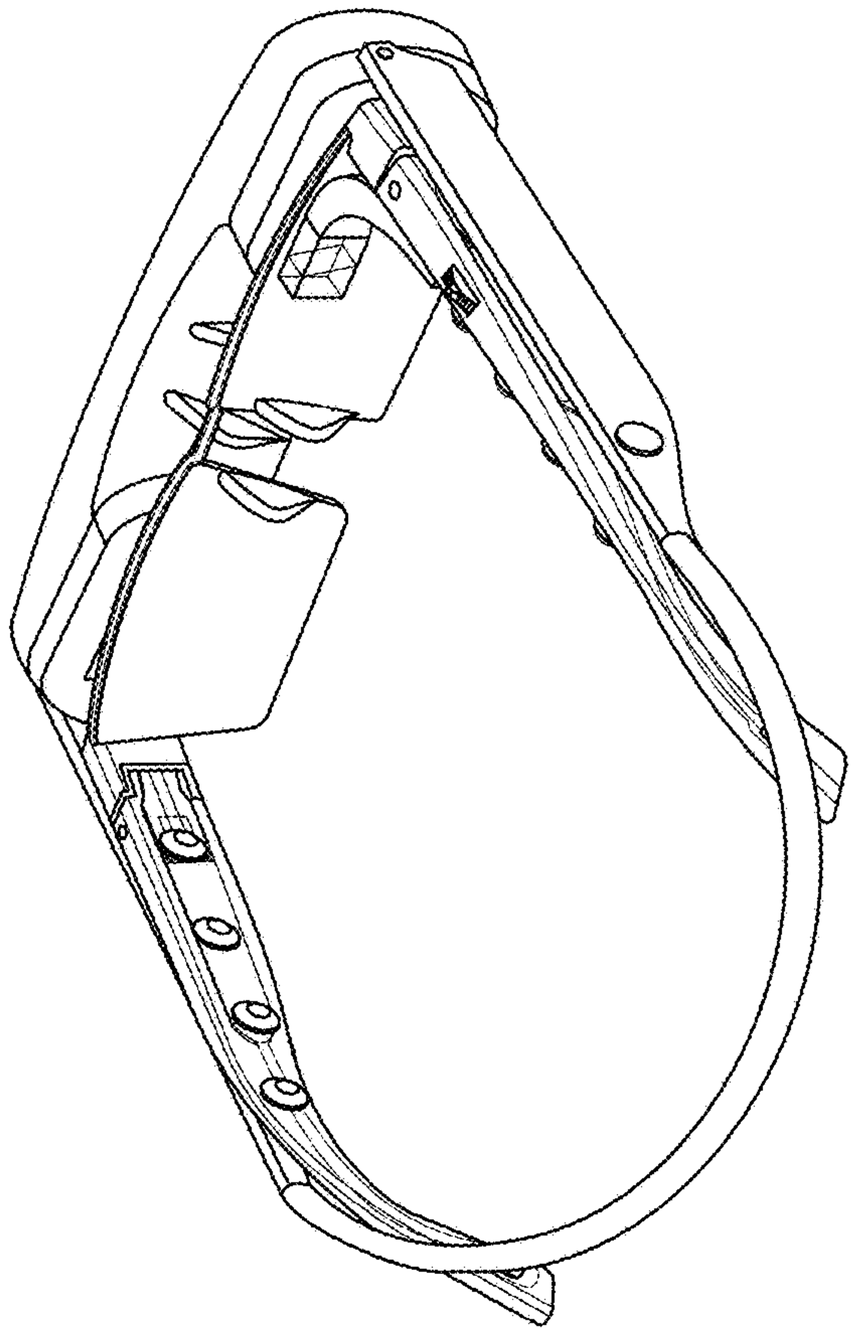


FIG. 1B

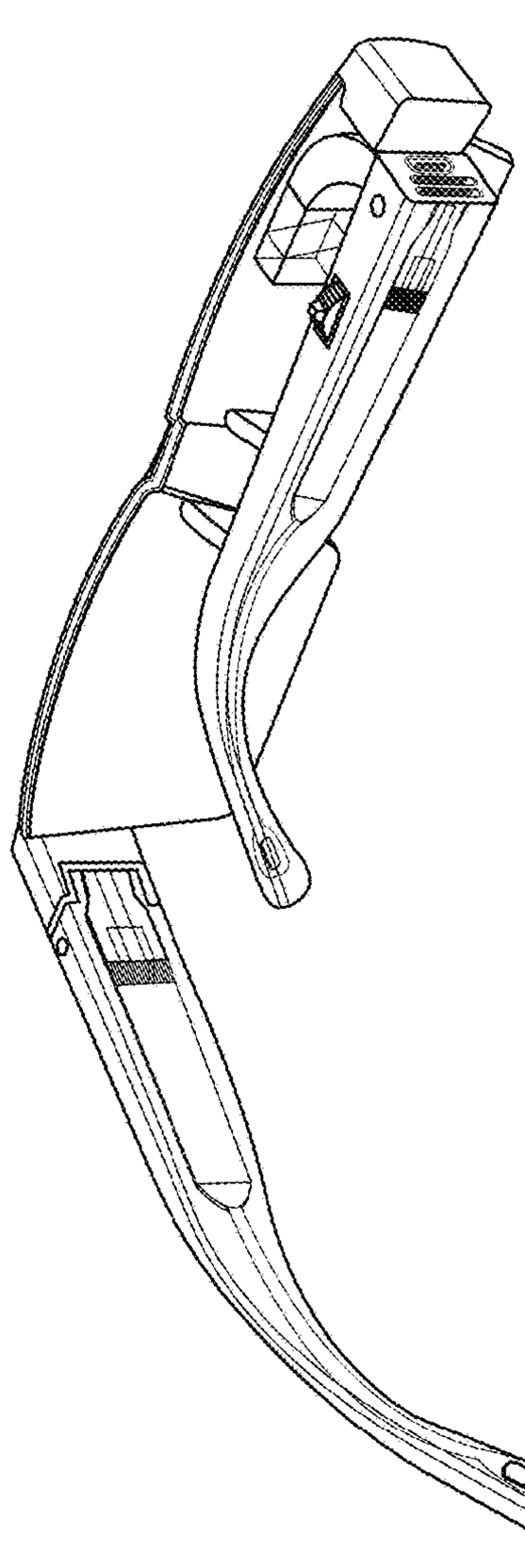


FIG. 2A

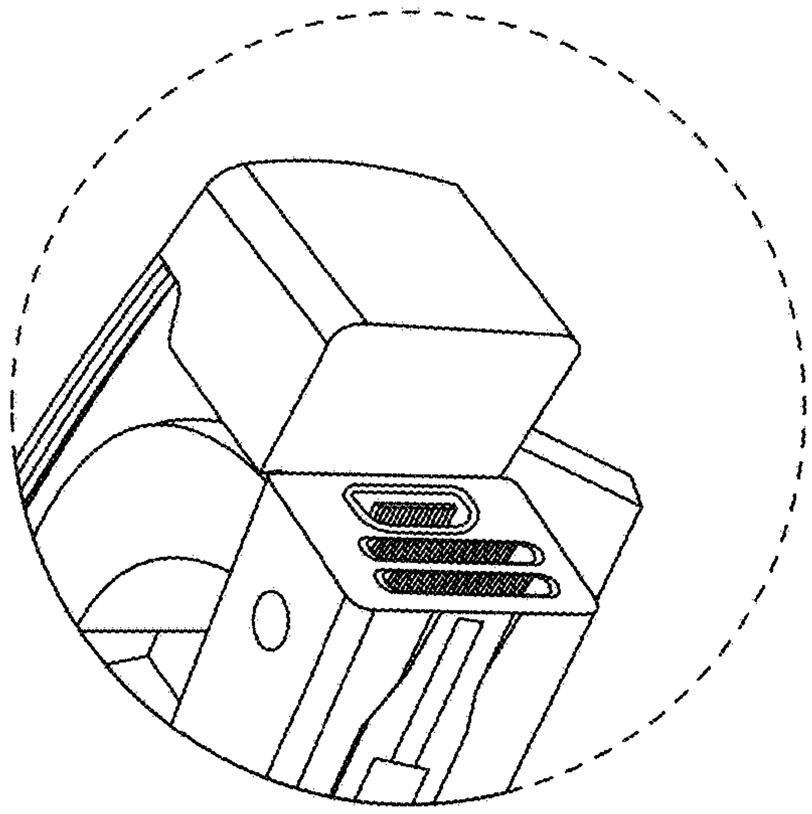
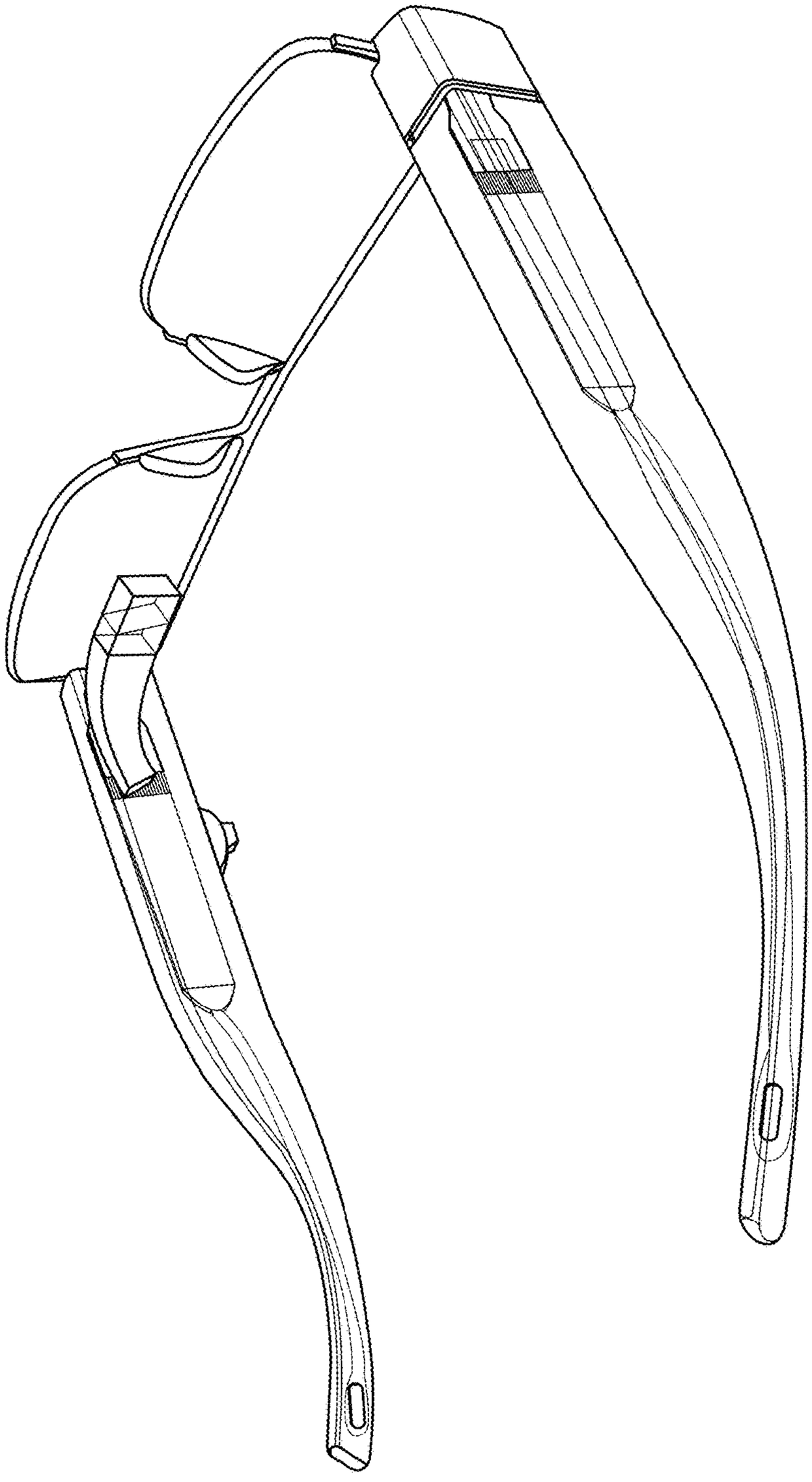


FIG. 2B

FIG. 3



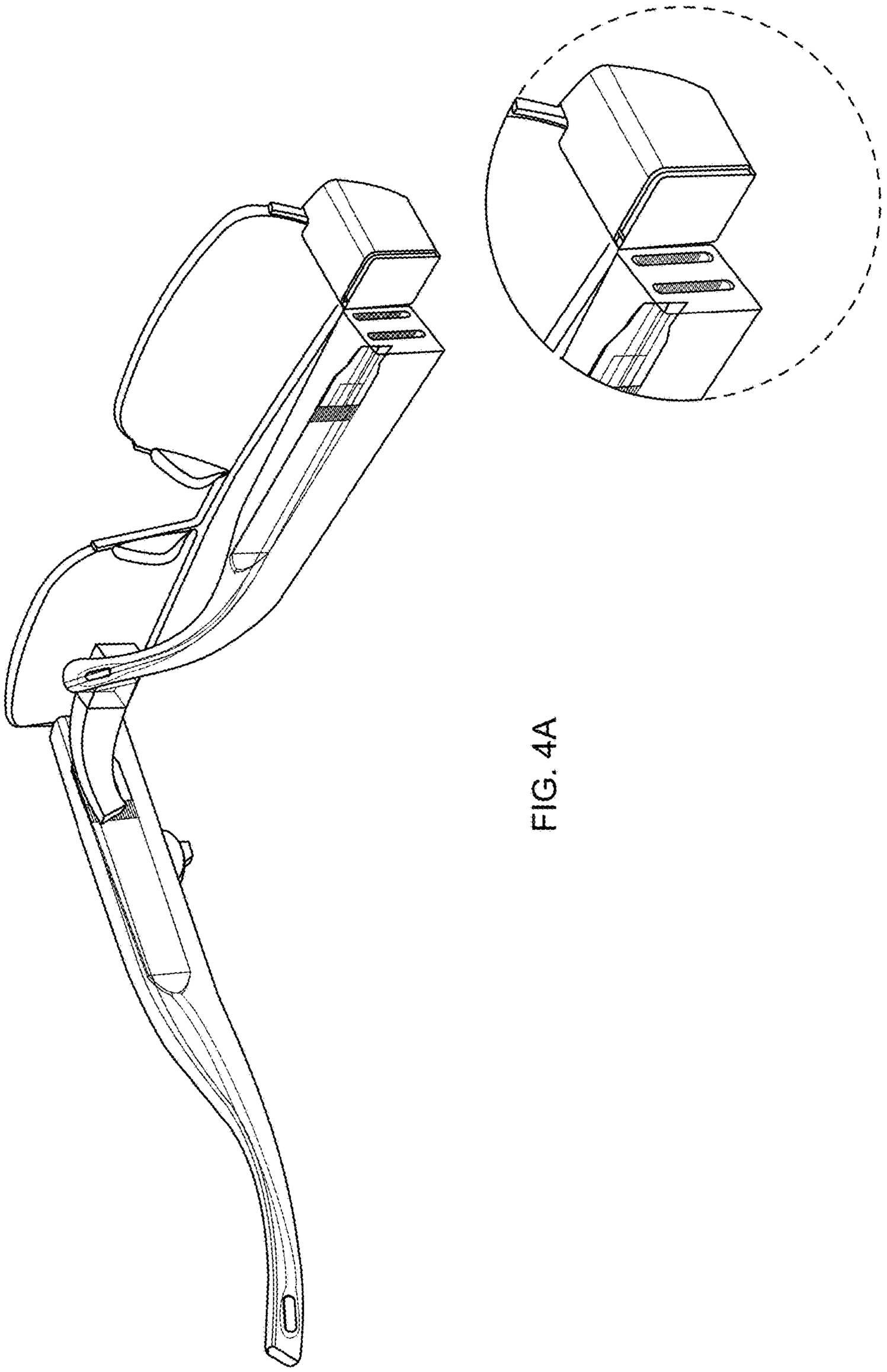
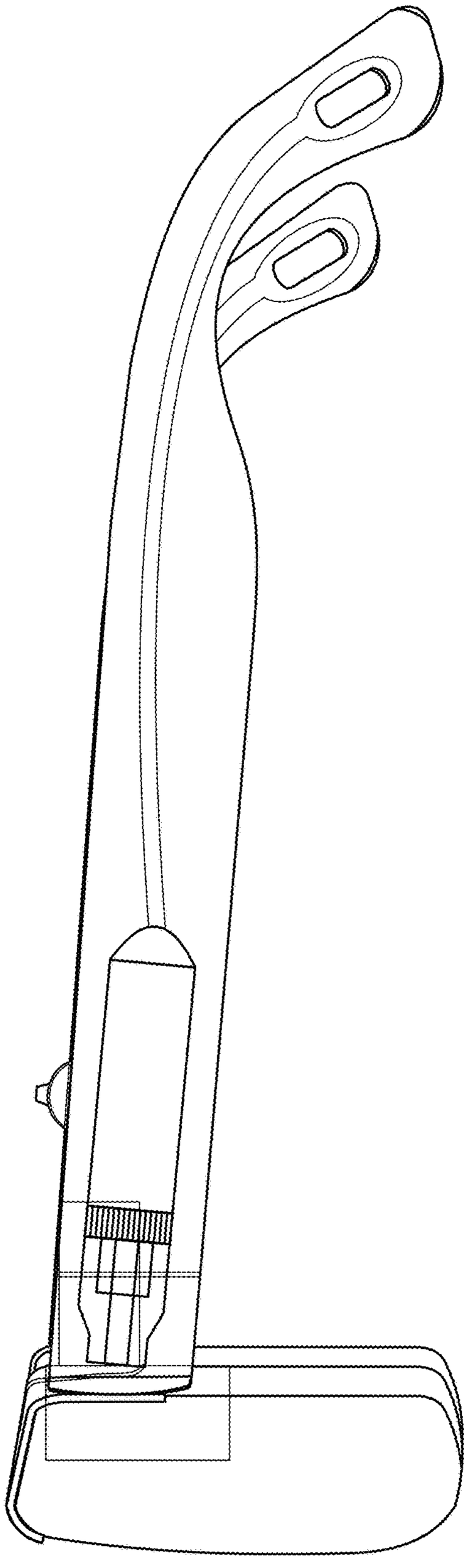


FIG. 4A

FIG. 4B

FIG. 5



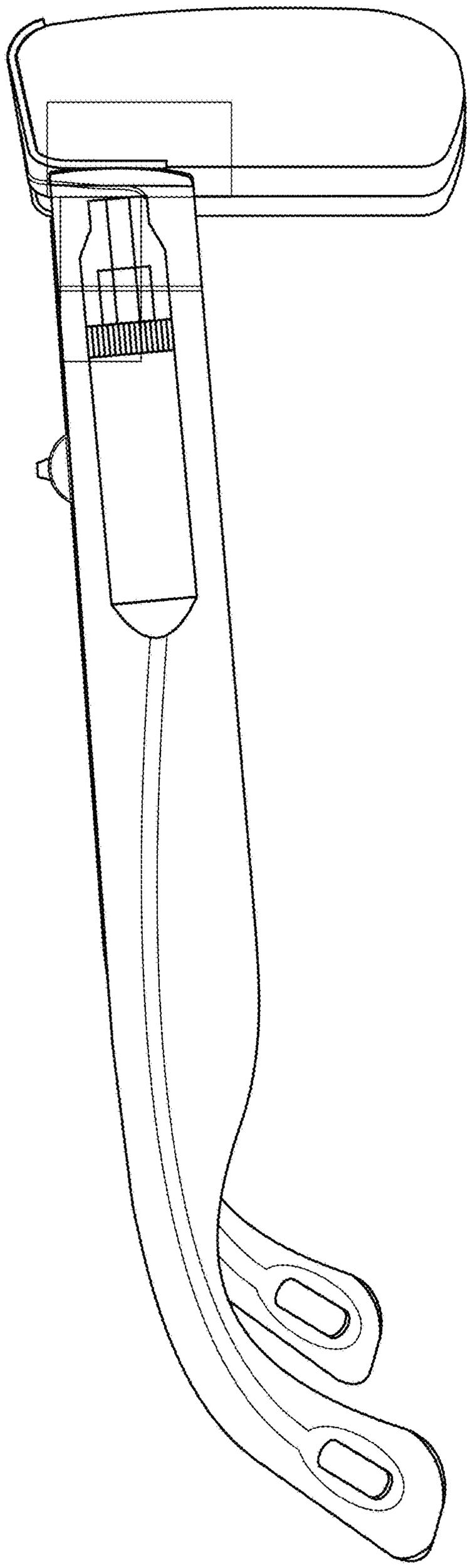


FIG. 6

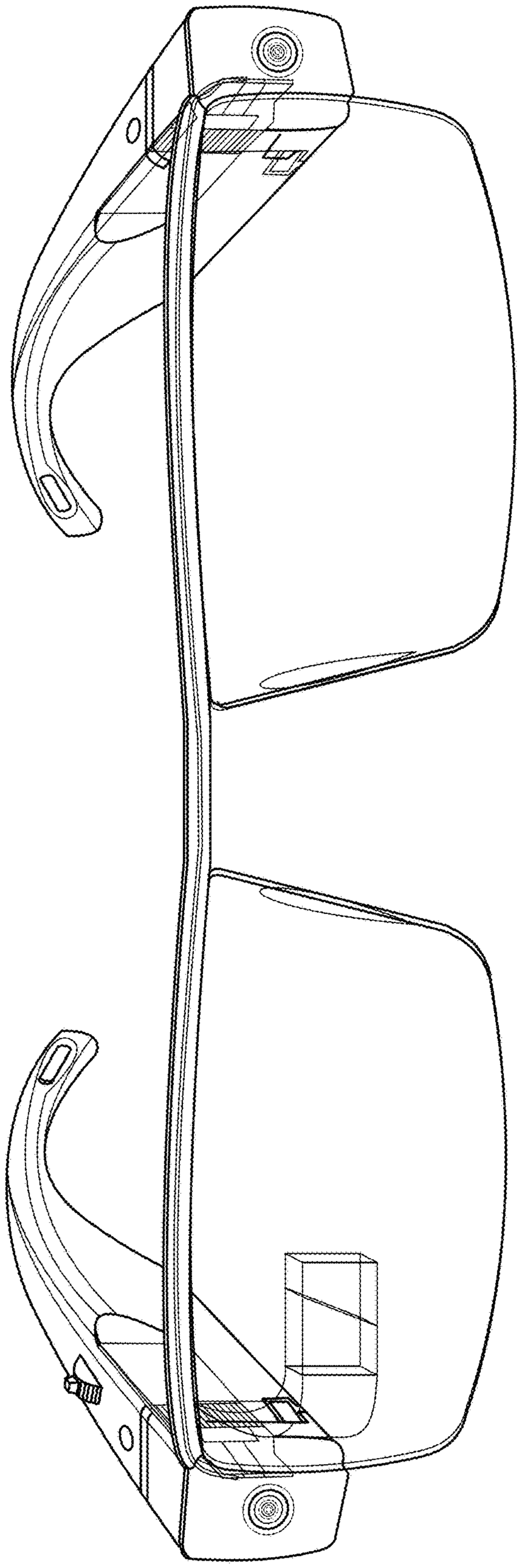


FIG. 7

FIG. 8

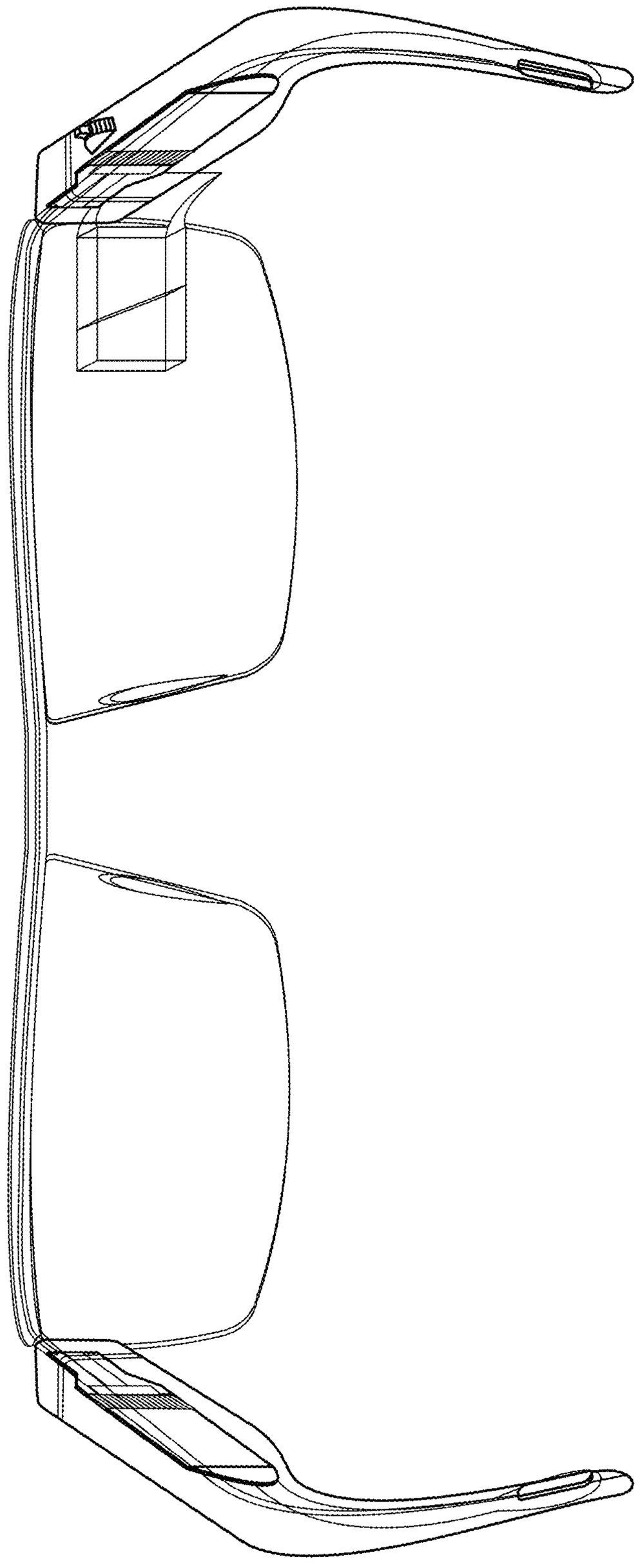


FIG. 9

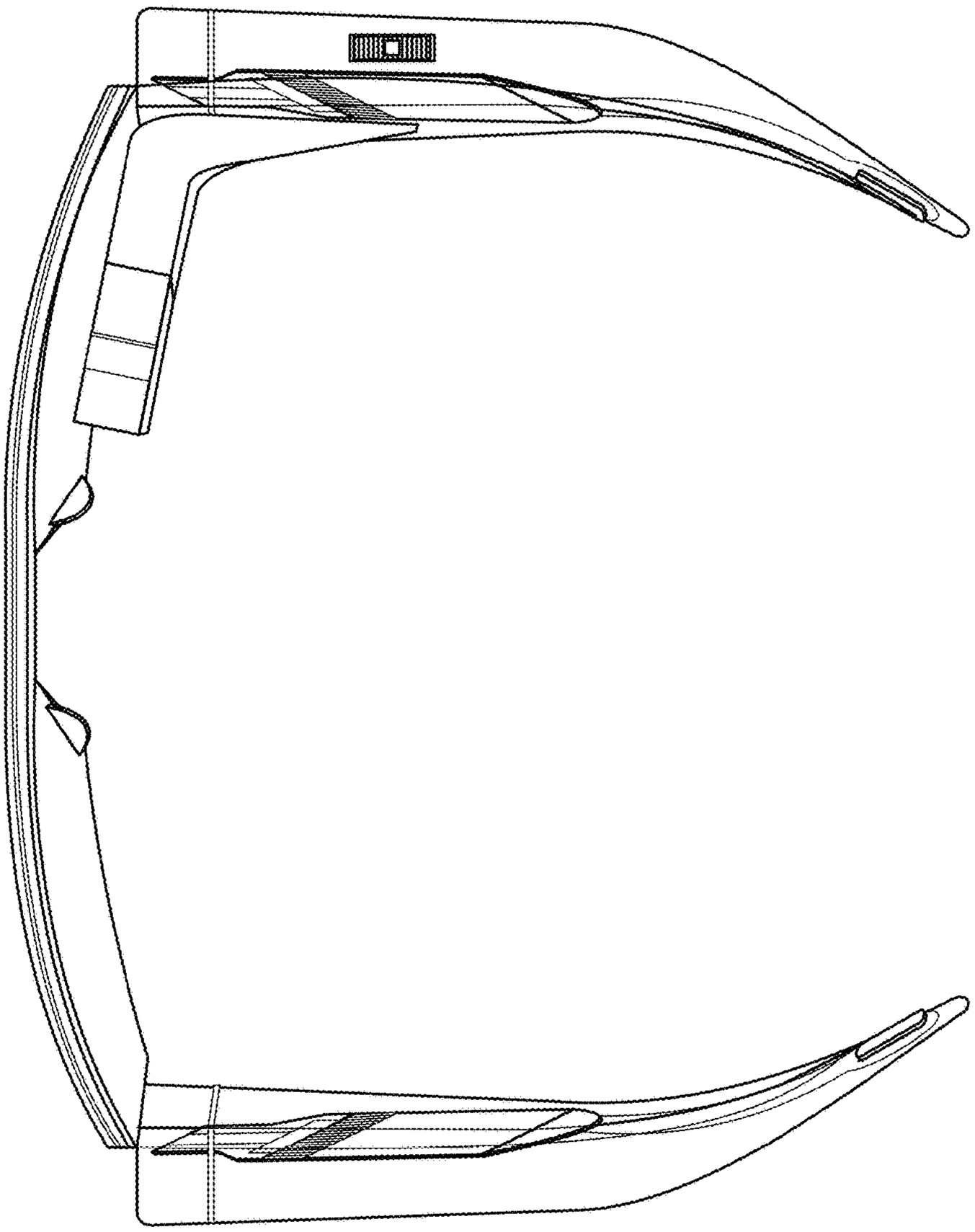


FIG. 10

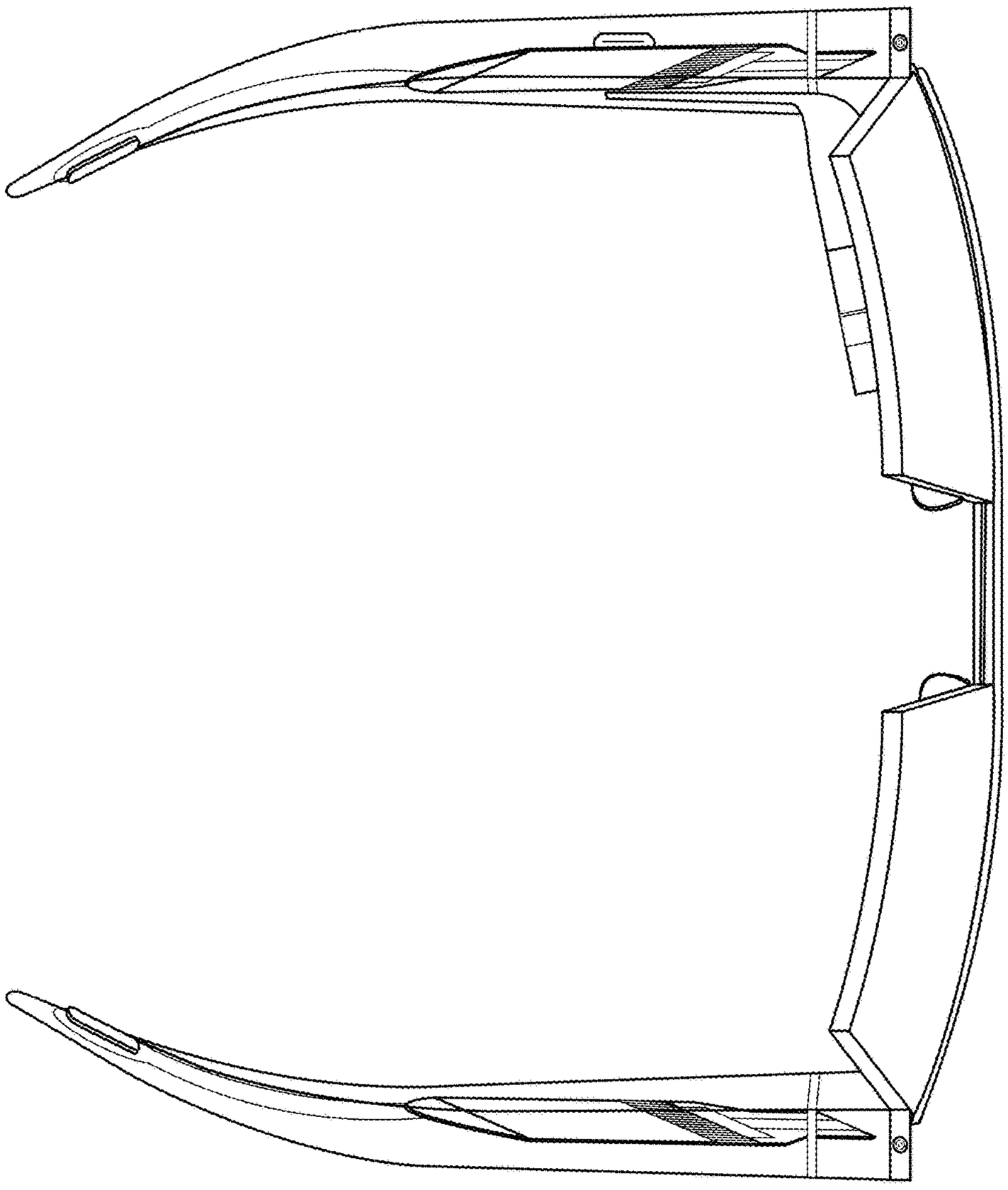


FIG. 11

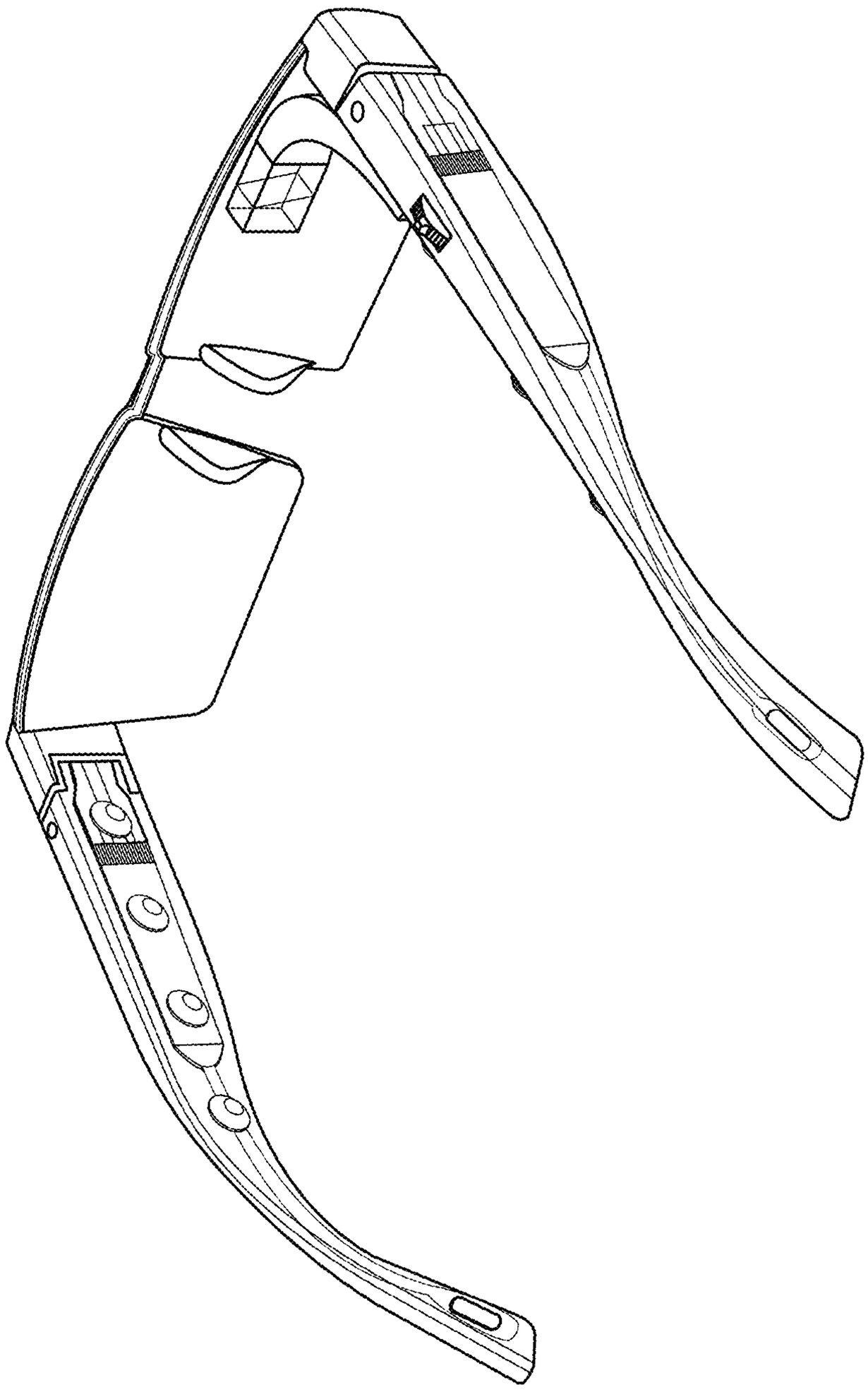


FIG. 12

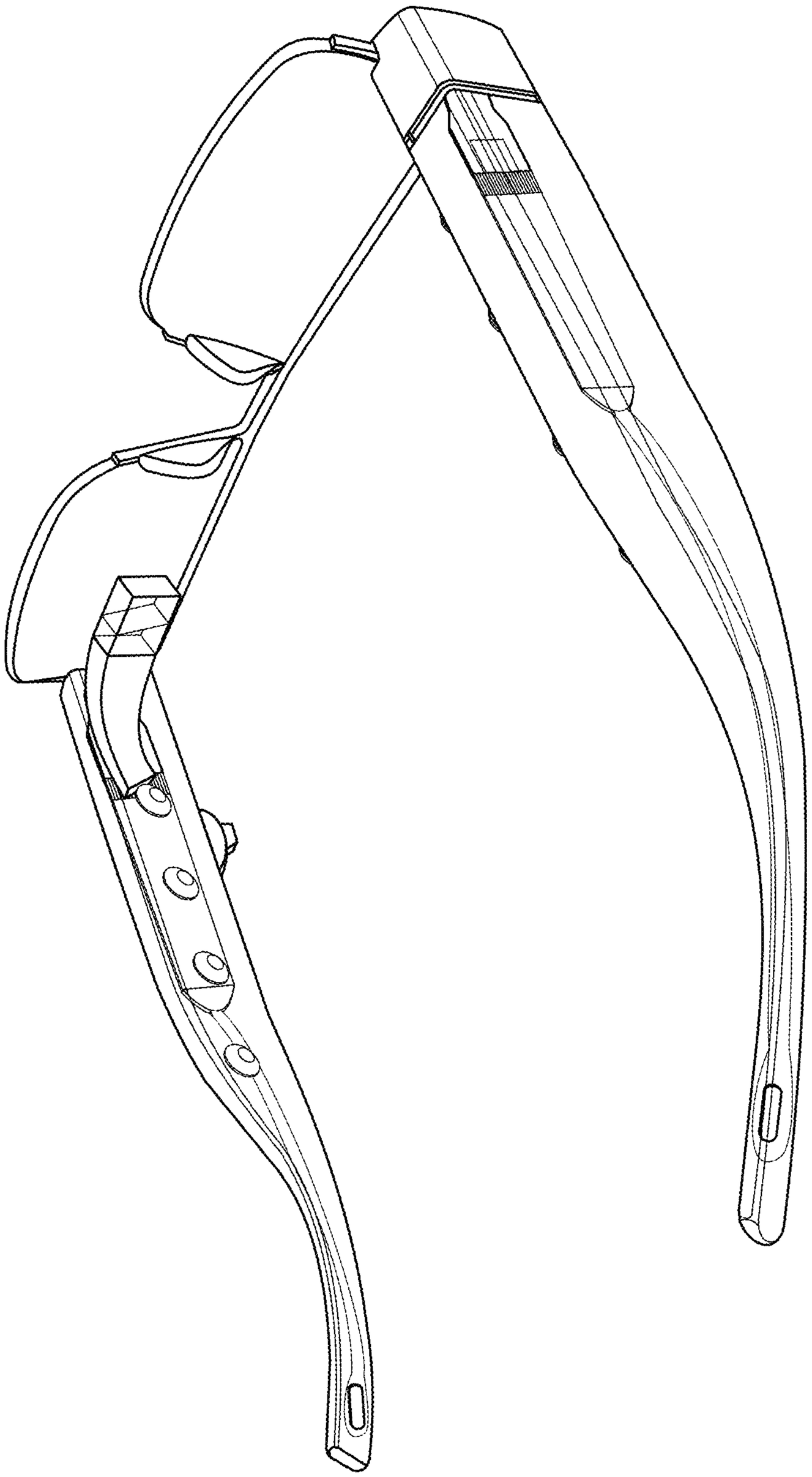


FIG. 13

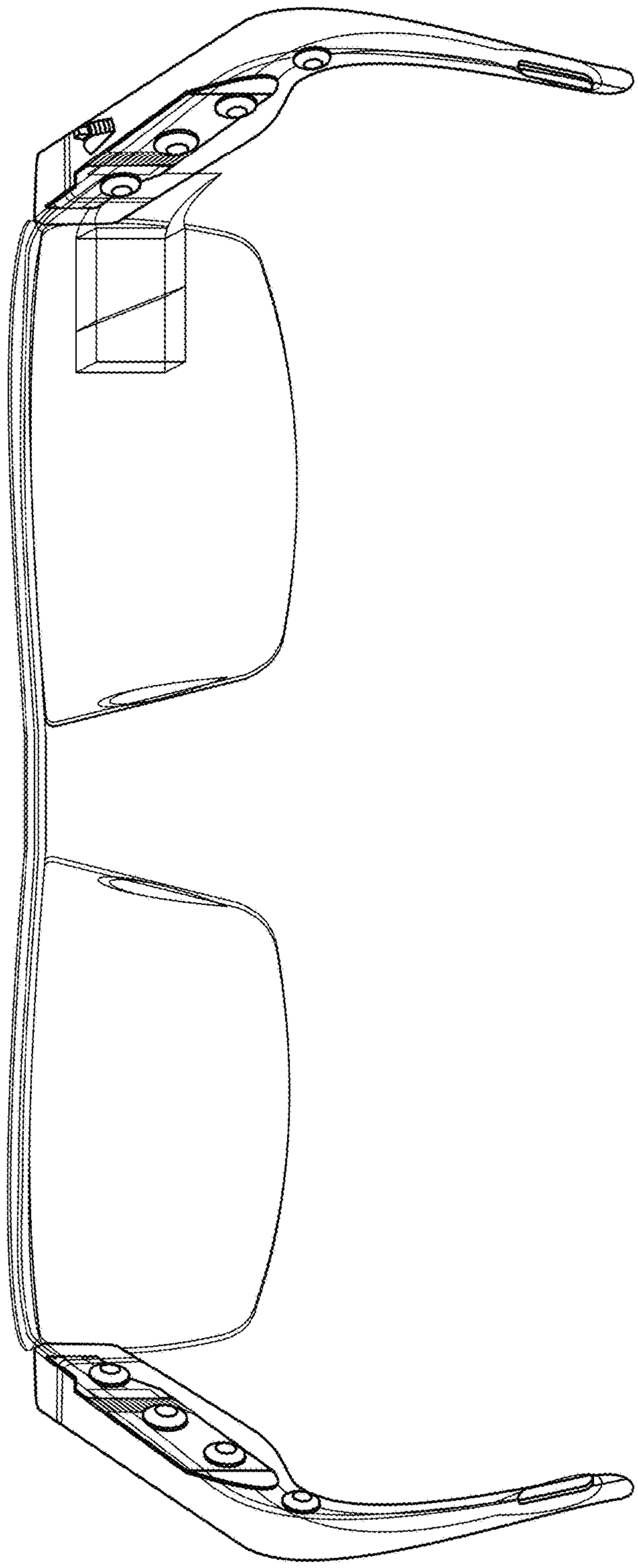


FIG. 14

FIG. 15

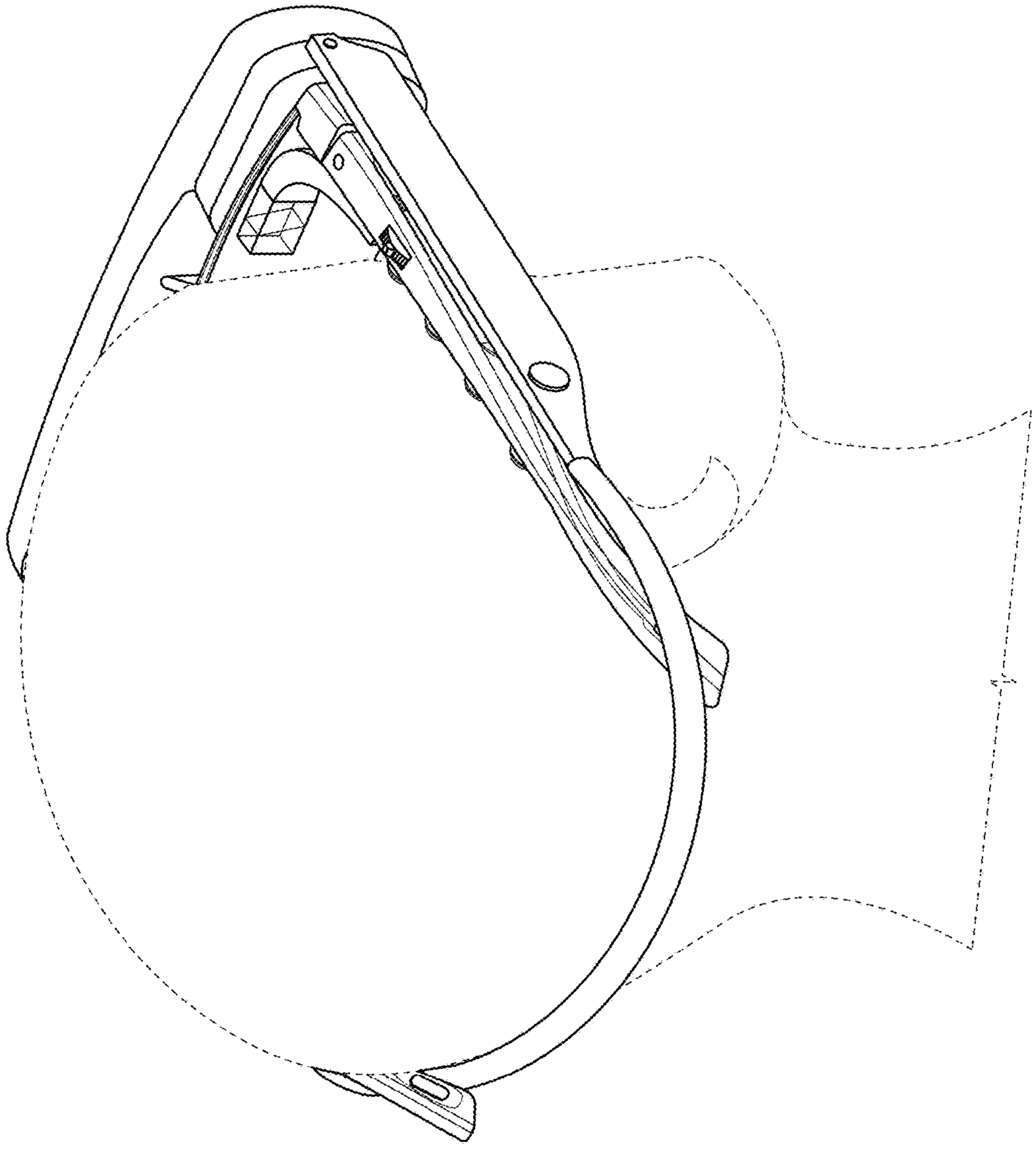


FIG. 16

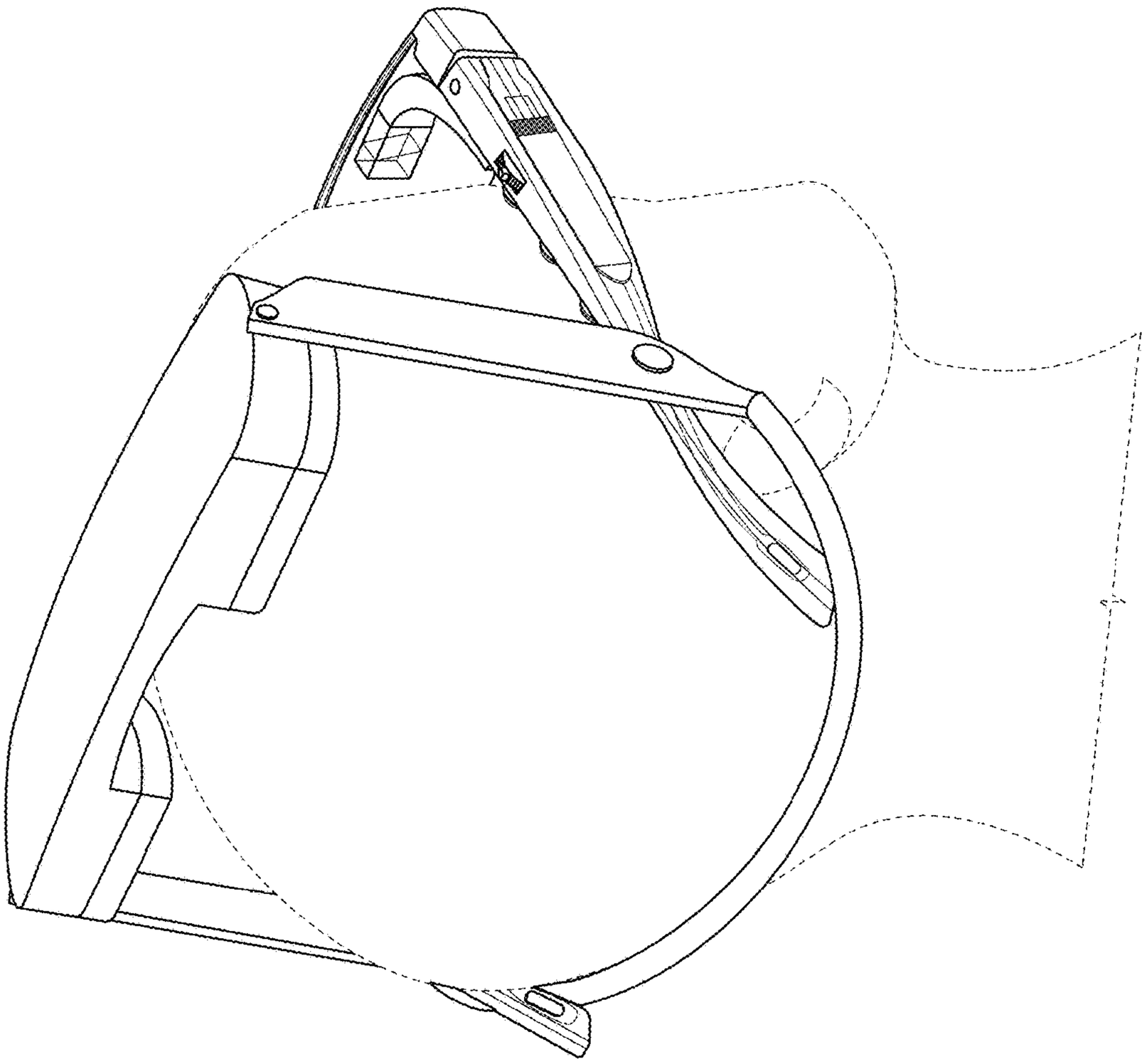


FIG. 17

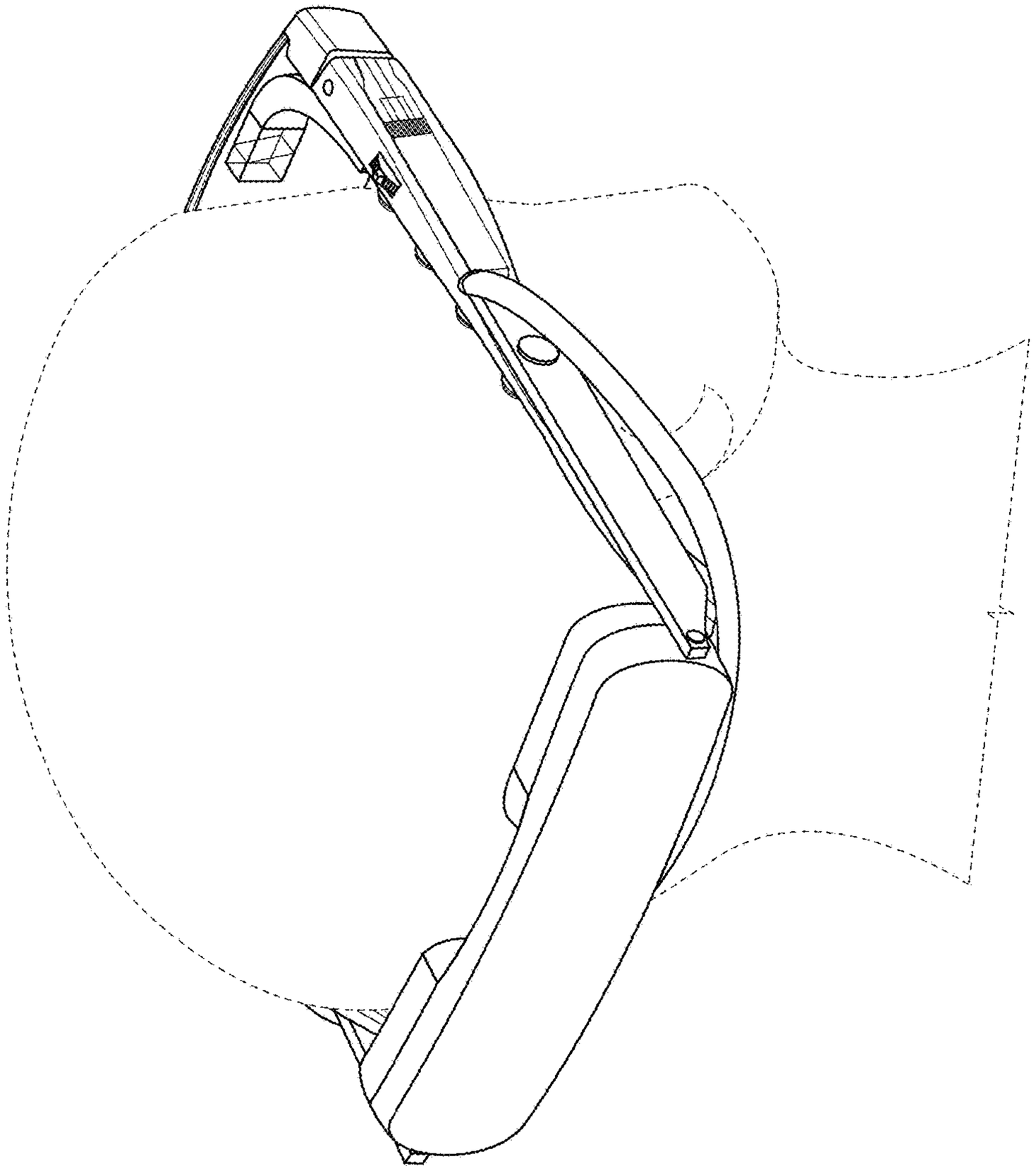


FIG. 18

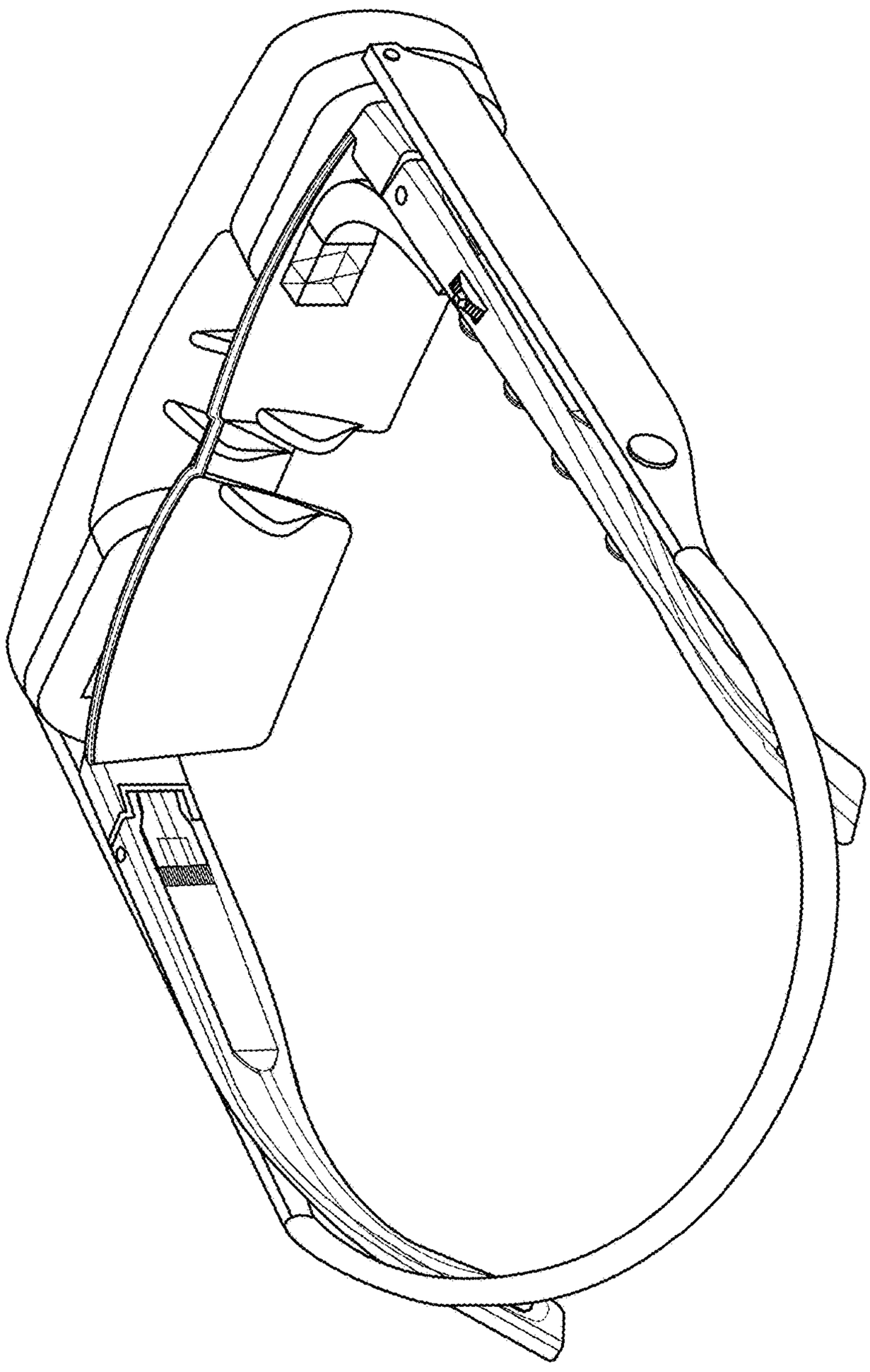


FIG. 19

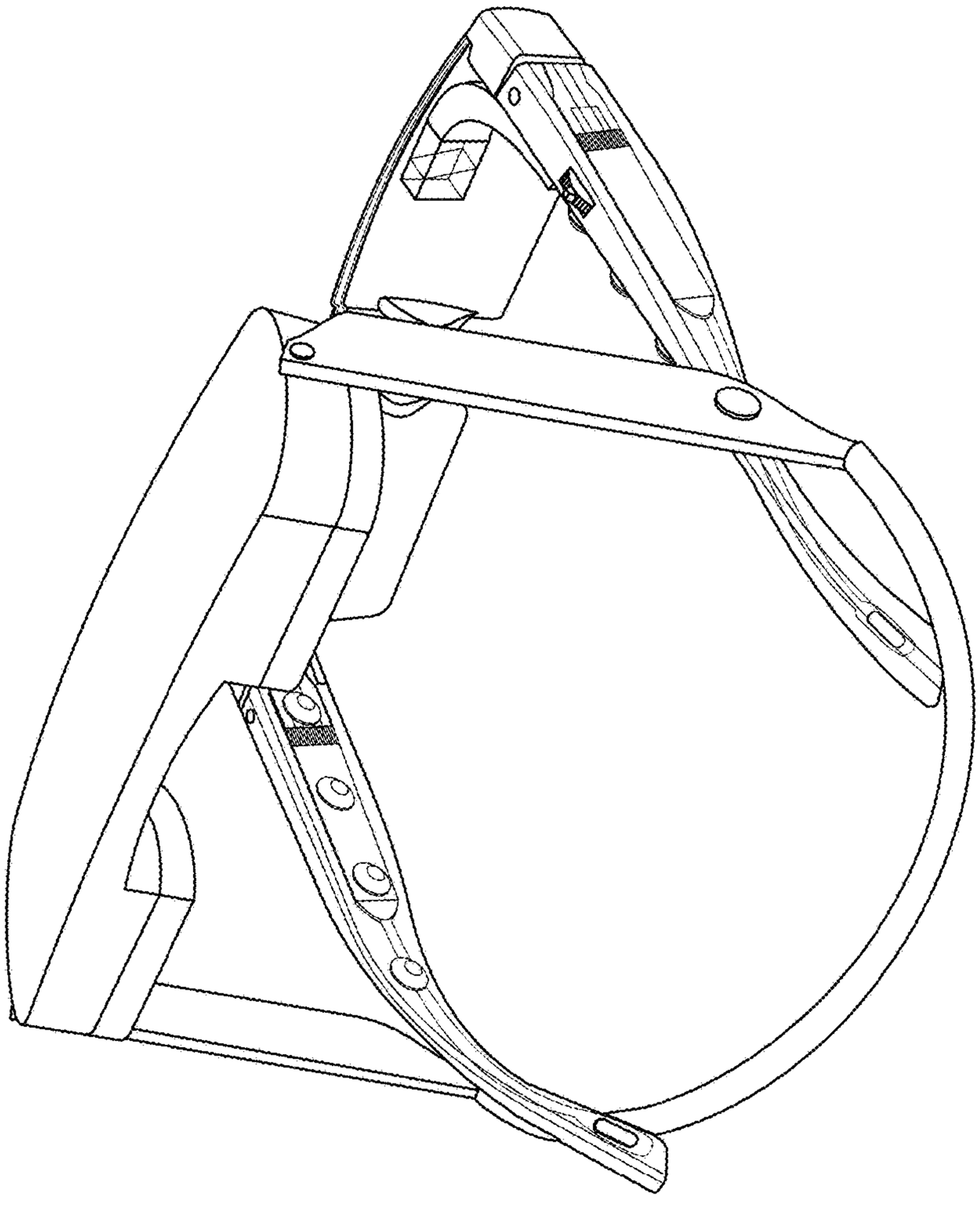


FIG. 20

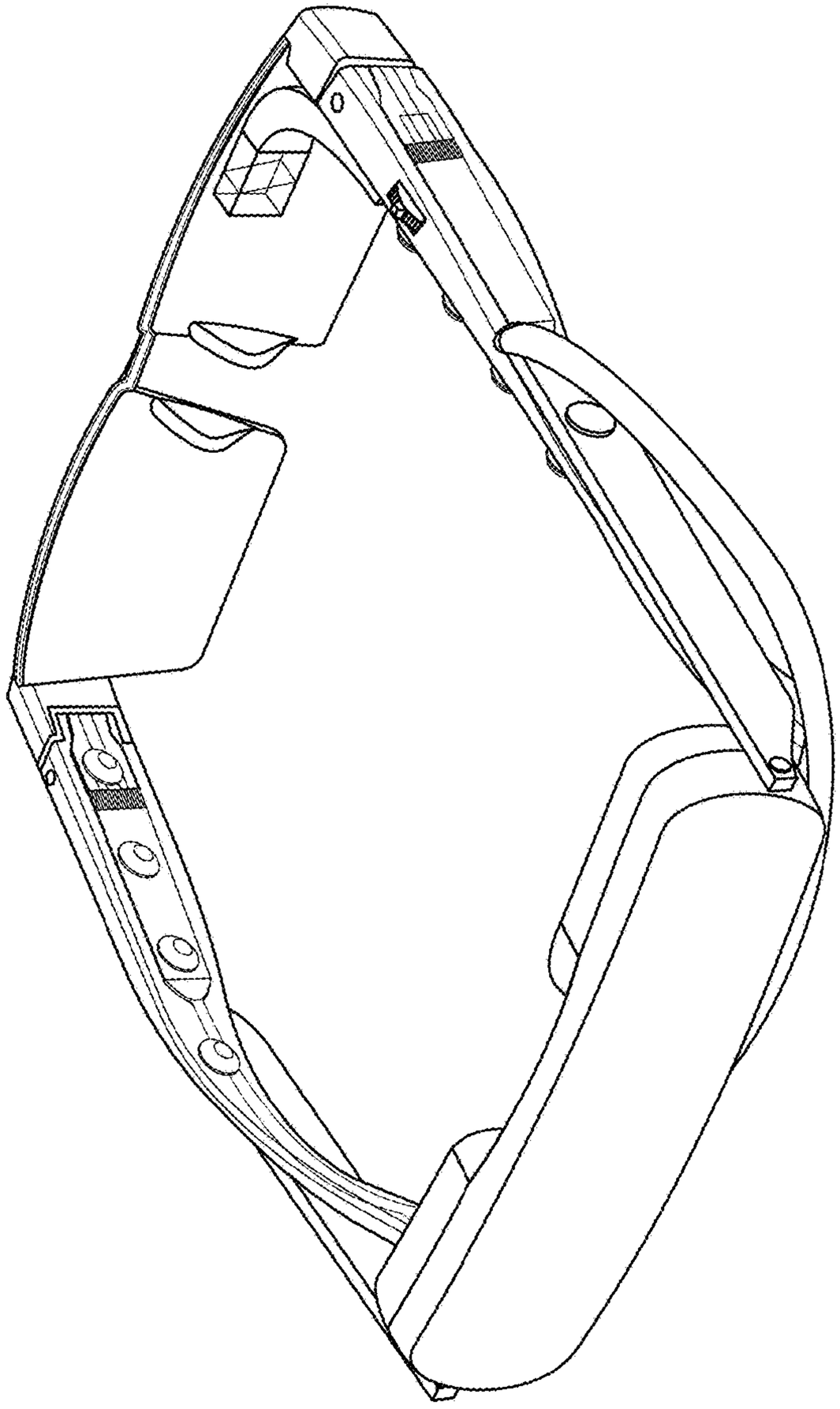


FIG. 21

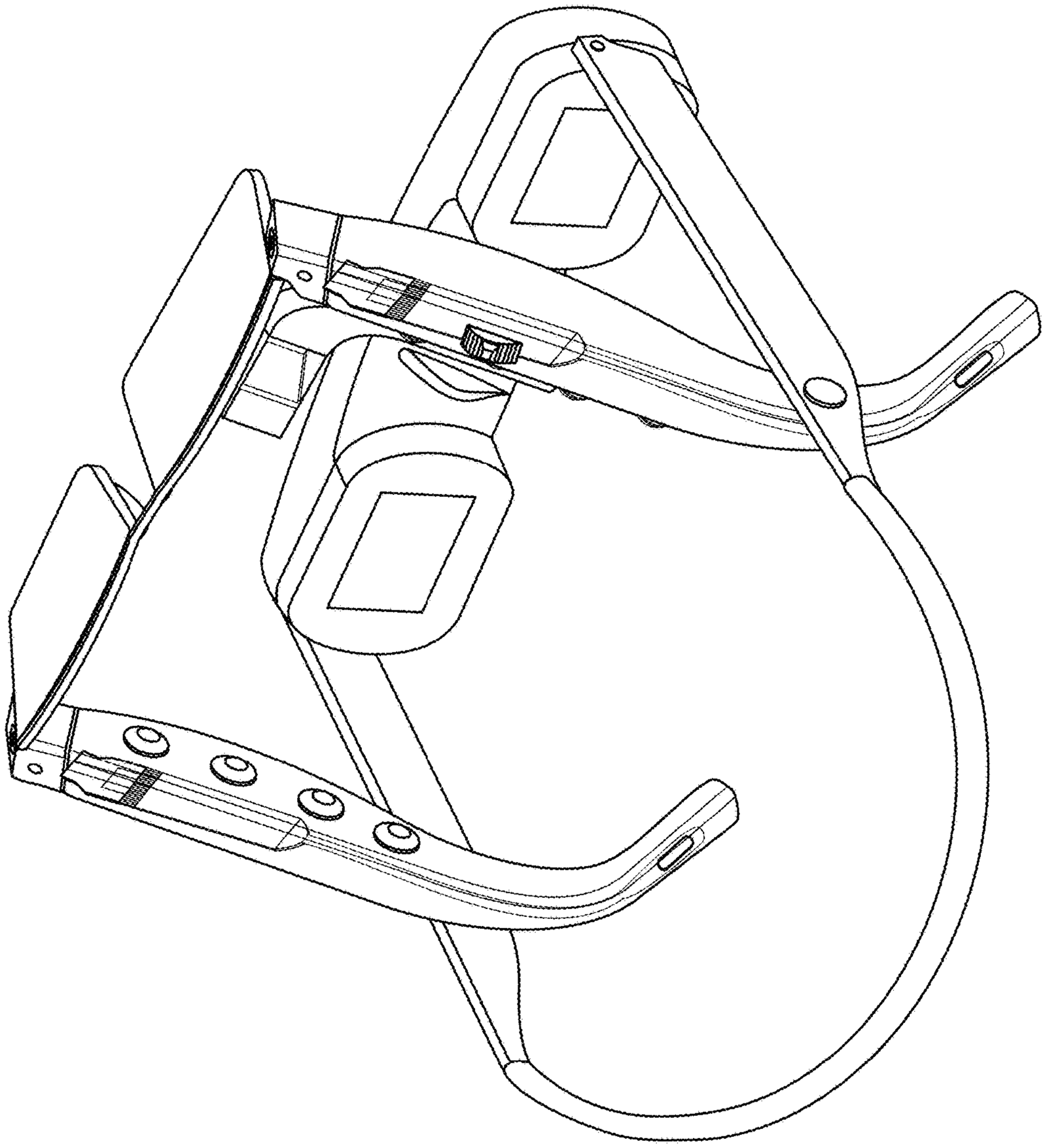


FIG. 22

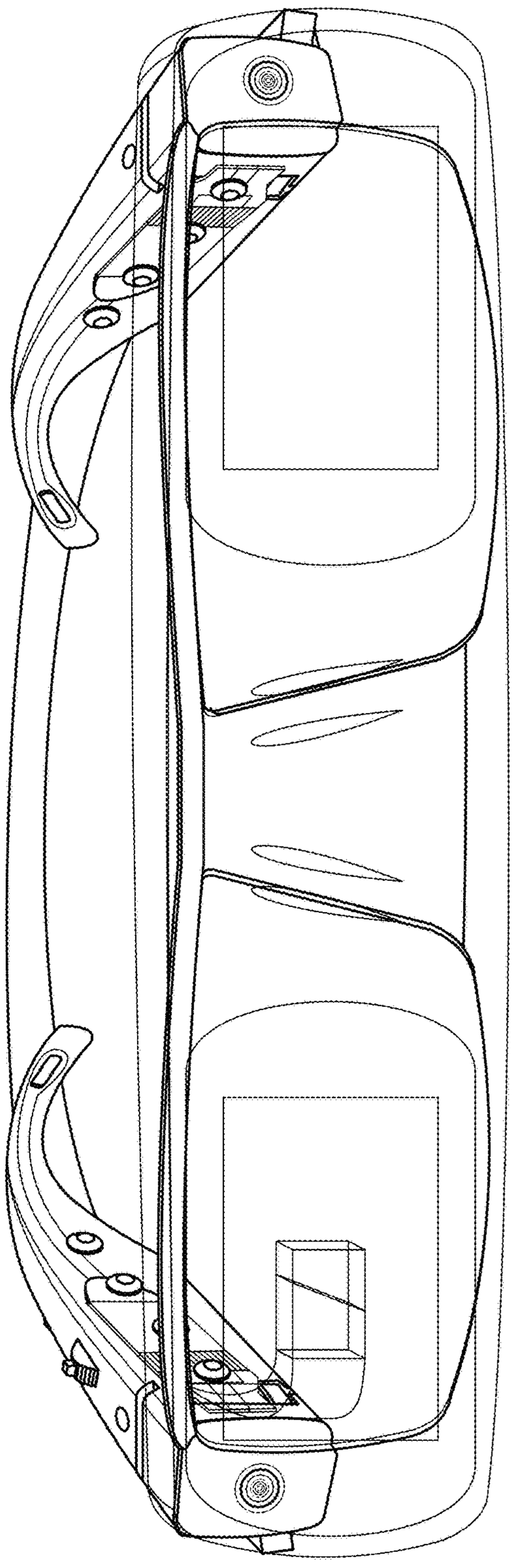


FIG. 23

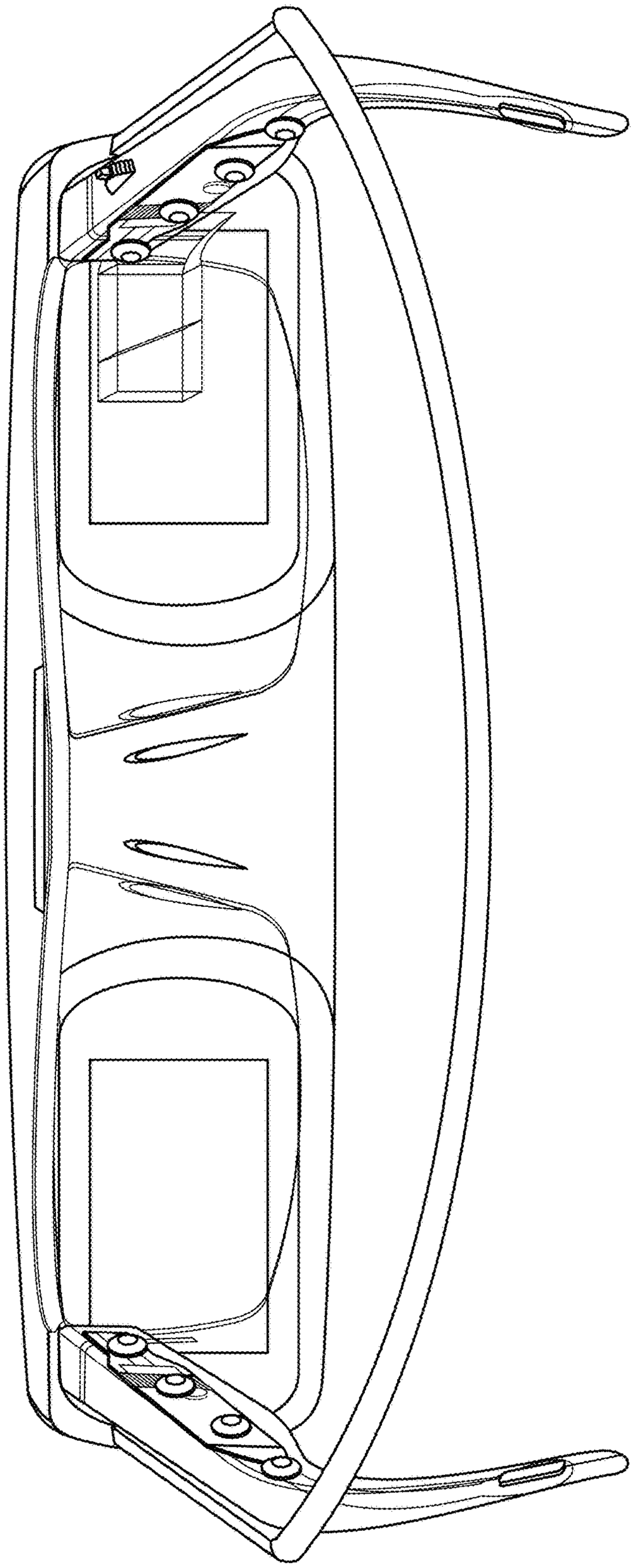
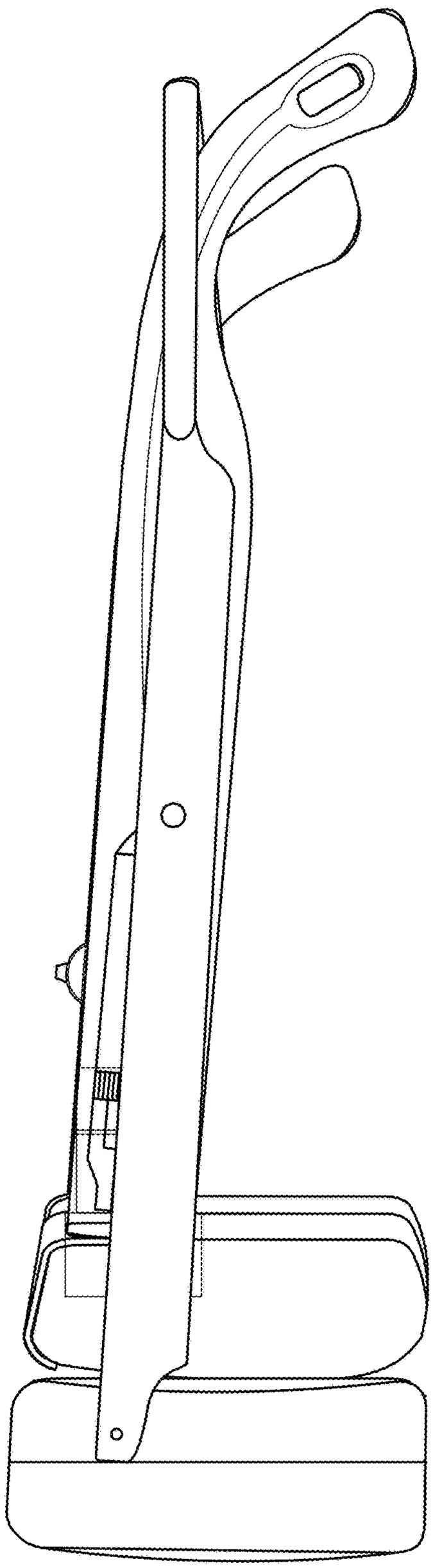


FIG. 24



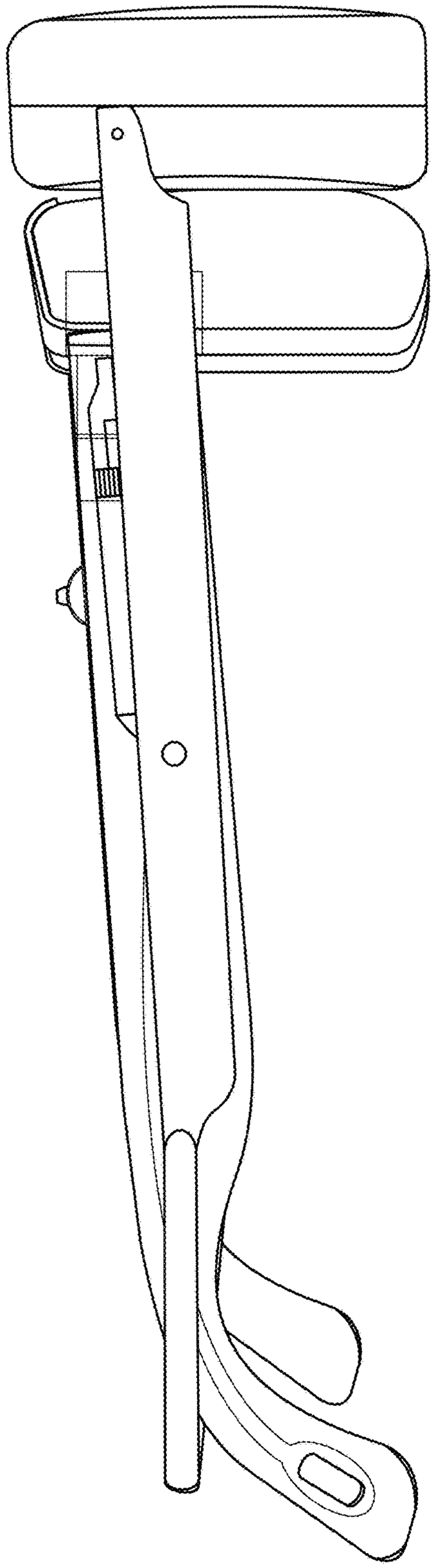


FIG. 25

FIG. 26

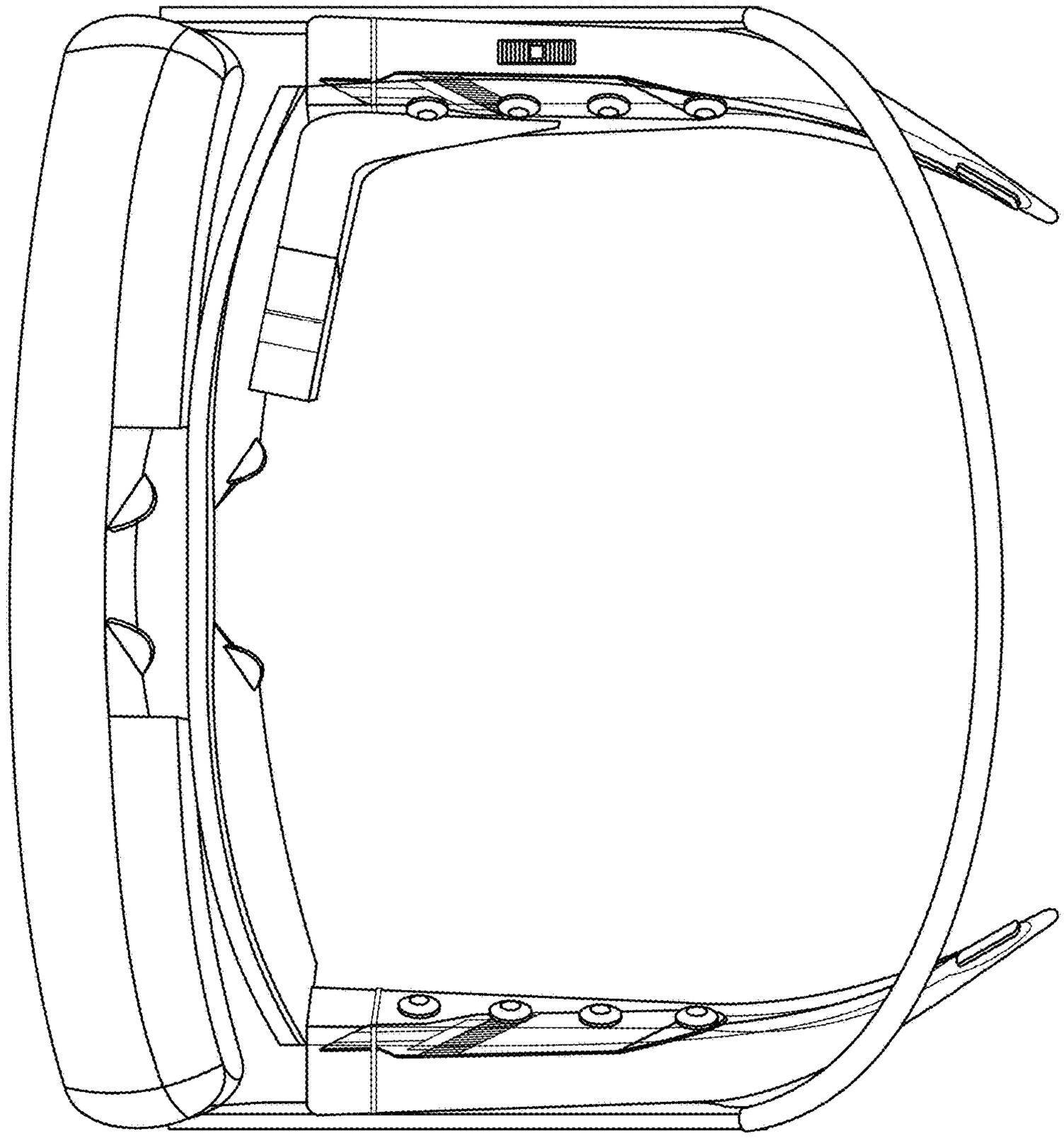


FIG. 27