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(12) United States Design Patent

Roseth et al.

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(54) **DEVICE FOR EVENT-TRIGGERED EYE OCCLUSION**

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

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(51) **LOC (13) Cl.** **24-01**

(52) **U.S. Cl.**
USPC **D14/372**

(58) **Field of Classification Search**
USPC D24/157, 172, 177, 186, 160; D14/372; D16/300, 306, 309, 311, 330
(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

4,761,196 A 8/1988 Brown et al.
5,052,794 A 10/1991 Brown et al.
(Continued)

FOREIGN PATENT DOCUMENTS

CN 203414690 U 1/2014
CN 205942127 U 2/2017
(Continued)

OTHER PUBLICATIONS

Wired, "6 Glasses With Integrated Displays That You Can Buy Today", first available Apr. 11, 2012. (https://www.wired.com/2012/04/6-glasses-with-integrated-displays-that-you-can-buy-today/ (Year: 2012).*
(Continued)

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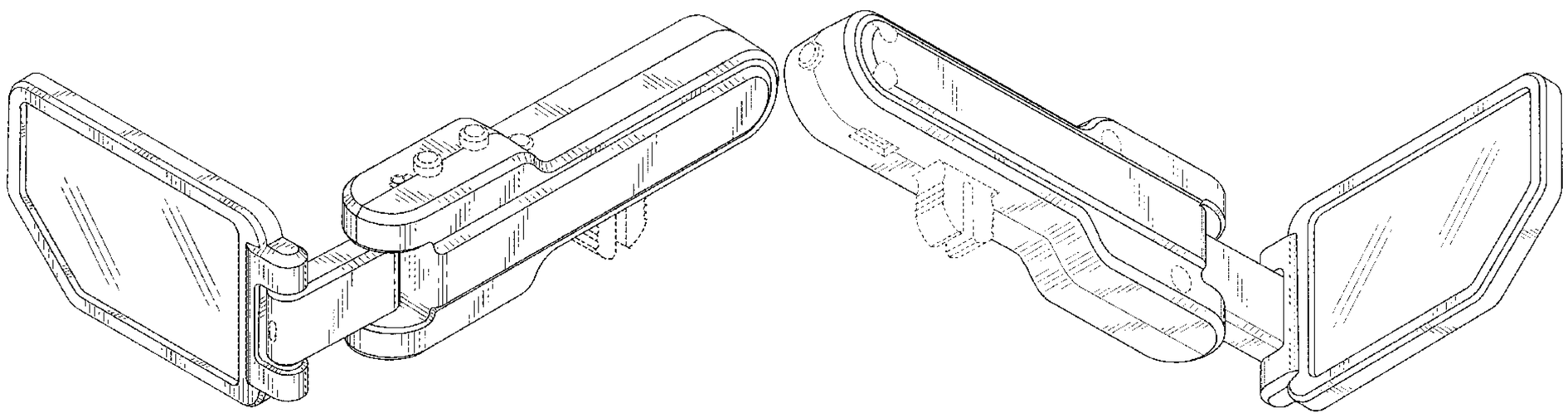
(57) **CLAIM**

The ornamental design for a device for event-triggered eye occlusion, as shown and described.

DESCRIPTION

FIG. **1** is a front-left-top perspective view of a device for event-triggered eye occlusion showing the new design.
FIG. **2** is a rear-right-bottom perspective view of the device for event-triggered eye occlusion of FIG. **1**.
FIG. **3** is a front view of the device for event-triggered eye occlusion of FIG. **1**.
FIG. **4** is a left side view of the device for event-triggered eye occlusion of FIG. **1**, the opposite side view being a mirror image of this side view.
FIG. **5** is a rear view of the device for event-triggered eye occlusion of FIG. **1**.
FIG. **6** is a right side view of the device for event-triggered eye occlusion of FIG. **1**.
FIG. **7** is a top view of the device for event-triggered eye occlusion of FIG. **1**.
FIG. **8** is a bottom view of a device for event-triggered eye occlusion of FIG. **1**.
FIG. **9** is a front-left-perspective view of the device for event-triggered eye occlusion of FIG. **1** in a first configuration.
FIG. **10** is a front-left-perspective view of the device for event-triggered eye occlusion of FIG. **1** in a second configuration.
FIG. **11** is a top view of the device for event-triggered eye occlusion of FIG. **1** in a third configuration.
FIG. **12** is a top view of the device for event-triggered eye occlusion of FIG. **1** in the first configuration of FIG. **9**; and,
FIG. **13** is a top view of the device for event-triggered eye occlusion of FIG. **1** in a fourth configuration.

The broken lines immediately adjacent to the shaded areas depict the bounds of the claimed design, while all other
(Continued)



broken lines are directed to environment. The broken lines form no part of the claimed design.

1 Claim, 10 Drawing Sheets

(58) **Field of Classification Search**
CPC A61F 9/00; A61F 9/0008; A61F 9/007; A61B 3/00; G02B 25/00; G02C 2200/08; G02C 1/06; G02C 5/14; G02C 1/02; G02C 11/04; G02C 5/16; G02C 2200/22; G02C 5/146; G02C 5/2254; G02C 5/008; A61M 2021/0044; A63B 33/002
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

5,279,061	A	1/1994	Betz et al.	
5,444,501	A	8/1995	Aloi et al.	
5,452,026	A	9/1995	Marcy, III	
5,726,731	A	3/1998	Toler	
5,821,989	A	10/1998	Lazzaro et al.	
6,511,175	B2	1/2003	Hay et al.	
6,604,005	B1	8/2003	Dorst et al.	
6,942,336	B2	9/2005	Foulke et al.	
7,033,025	B2	4/2006	Winterbotham	
7,147,320	B2	12/2006	Werner	
7,828,434	B2	11/2010	Coulter et al.	
8,678,282	B1	3/2014	Black et al.	
8,844,188	B2	9/2014	Erdoss et al.	
D718,366	S *	11/2014	Mehin	D16/309
8,964,298	B2	2/2015	Haddick et al.	
9,010,012	B2	4/2015	Mathews et al.	
9,028,060	B2	5/2015	Schmitz	
9,207,455	B2	12/2015	Bickerstaff et al.	
D759,015	S *	6/2016	Mehin	D14/372
D762,212	S *	7/2016	Iritani	D14/372
9,405,135	B2	8/2016	Sweis et al.	
D769,873	S *	10/2016	Cazalet	D14/372
9,477,096	B2	10/2016	Huh et al.	
D793,468	S *	8/2017	Yu	D16/309
D795,866	S *	8/2017	Porter	D14/372
9,720,254	B1 *	8/2017	Huang	G02C 7/14
D826,227	S *	8/2018	Iritani	D14/372
D931,279	S *	9/2021	Porter	D14/372
2006/0293792	A1	12/2006	Hasegawa et al.	
2008/0062338	A1	3/2008	Herzog et al.	
2010/0309535	A1	12/2010	Landowski et al.	
2011/0310318	A1	12/2011	Kawagoe	
2012/0033060	A1	2/2012	Ko	
2012/0099195	A1	4/2012	Choi et al.	
2012/0143372	A1	6/2012	Roh	
2013/0141419	A1	6/2013	Mount et al.	
2013/0155376	A1	6/2013	Huang et al.	
2013/0207991	A1	8/2013	Sato et al.	
2014/0345090	A1 *	11/2014	Wang	G02F 1/133528 24/303
2015/0042544	A1 *	2/2015	Sugihara	G02B 27/017 345/8
2016/0195875	A1	7/2016	Tjeerdsma et al.	
2016/0246075	A9	8/2016	Howell et al.	
2017/0075122	A1	3/2017	Abdollahi et al.	
2018/0061268	A1	3/2018	Buhring et al.	
2018/0173017	A1	6/2018	Imagawa	
2018/0180894	A1	6/2018	Pombo et al.	
2019/0012928	A1	1/2019	Lavallee et al.	
2019/0025838	A1	1/2019	Artes et al.	
2019/0314991	A1	10/2019	Liu et al.	
2021/0000650	A1 *	1/2021	Roseth	G02C 9/02
2021/0333560	A1 *	10/2021	Hwang	G02C 5/20

FOREIGN PATENT DOCUMENTS

DE	202008013782	U1	2/2010
DE	202011109702	U1	6/2012
EP	1971894	A2	9/2008
IN	270529	*	12/2015
WO	WO 2018/130696	A2	7/2018

OTHER PUBLICATIONS

Youtube, "DIY Glass—Wearable Video Display", first available Apr. 24, 2014. (https://www.youtube.com/watch?v=G9DYr7FiQGI) (Year: 2014).*

Peta Pixel, "Olympus Unveils Smart Glasses with a 2.4-Megapixel Camera", first available Nov. 6, 2017. (https://petapixel.com/2017/11/06/olympus-unveils-smart-glasses-2-4-megapixel-camera/) (Year: 2017).*

Amazon, "Yoctosun Rechargeable Head Magnifier Glasses", first available Jun. 30, 2020. (https://www.amazon.com/dp/B089FVPNLD/) (Year: 2020).*

PCT/US2020/040525 International Search Report and Written Opinion dated Sep. 28, 2020, 11 pp.

PCT Application No. PCT/US2020/040525, International Preliminary Report on Patentability dated Jan. 13, 2022, 7 pages.

* cited by examiner

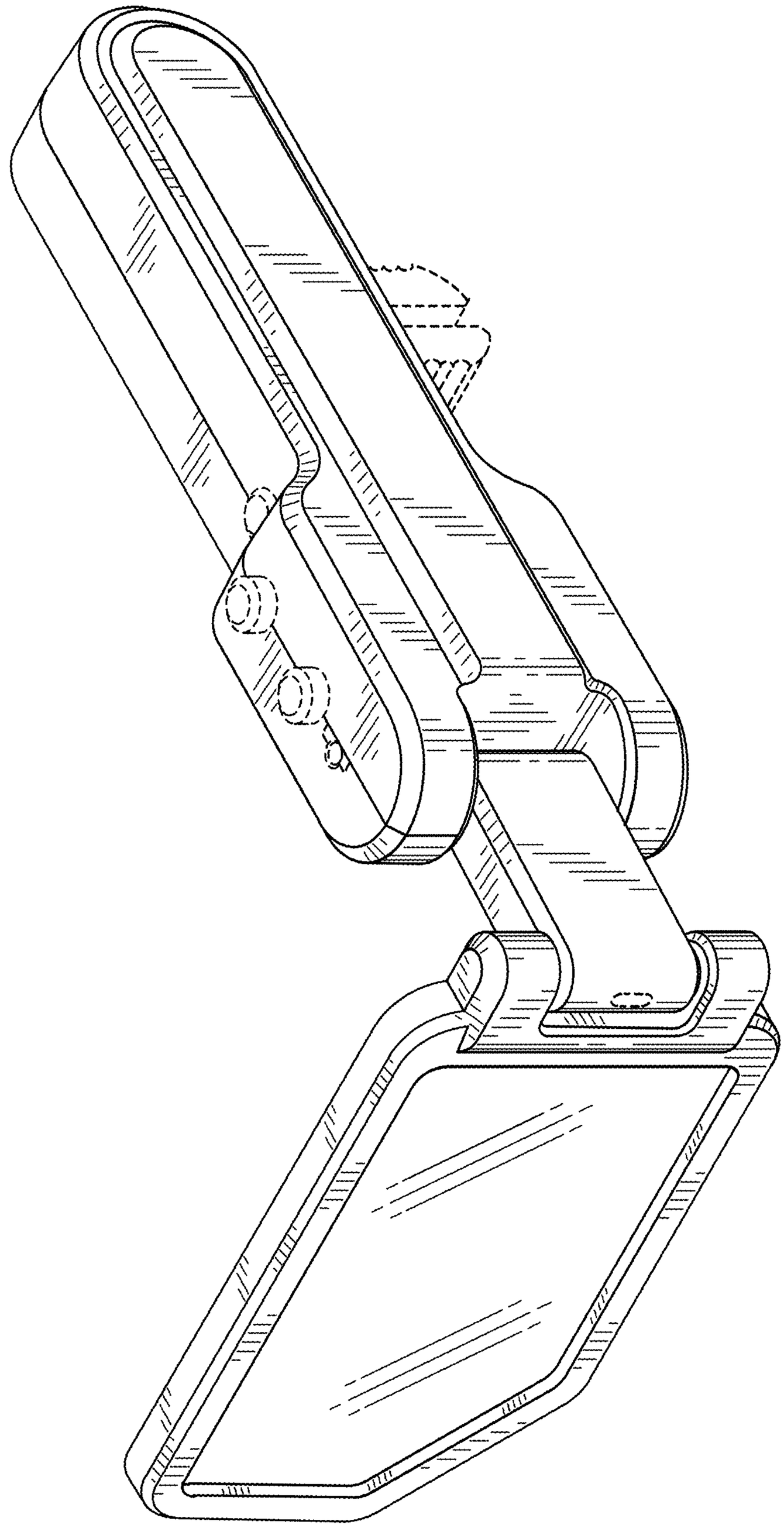


FIG. 1

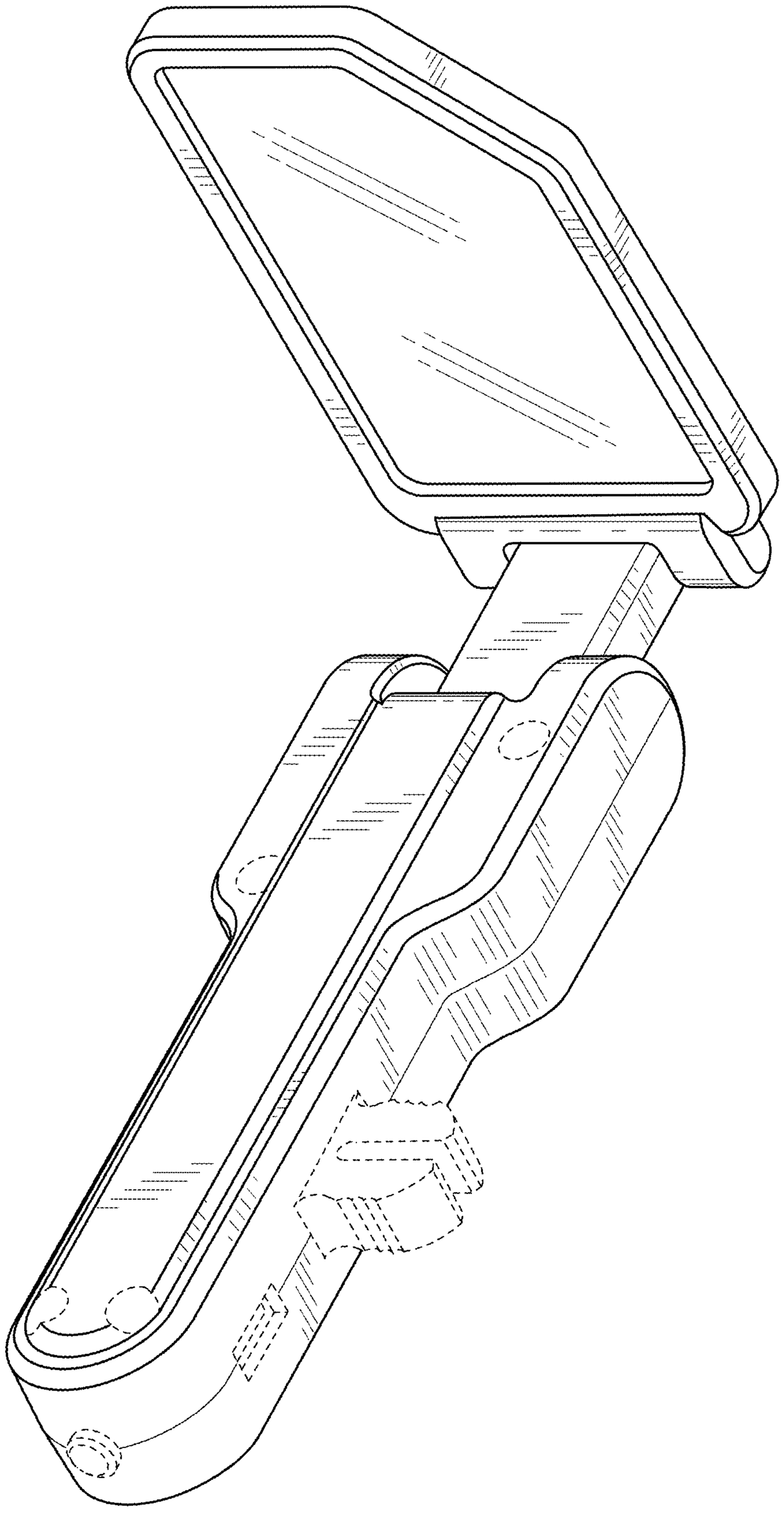


FIG. 2

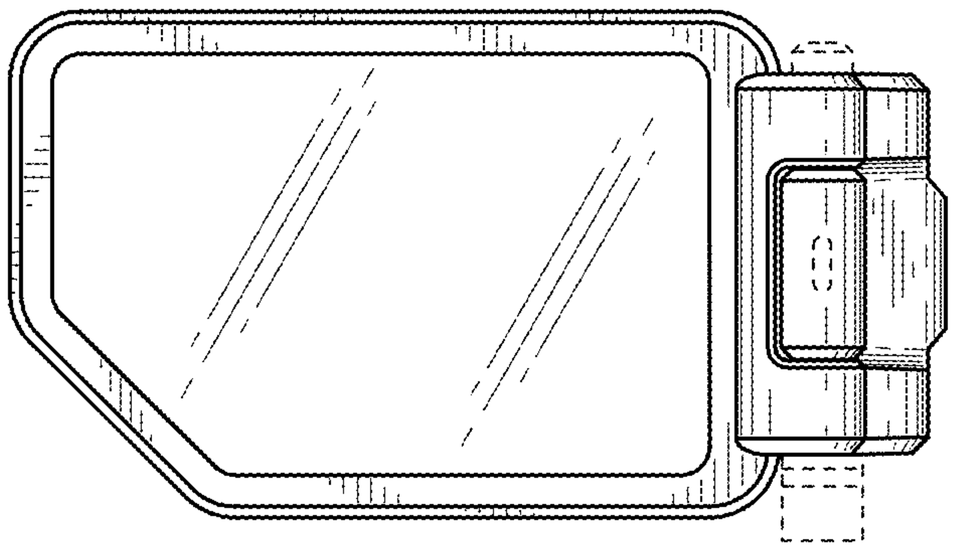


FIG. 3

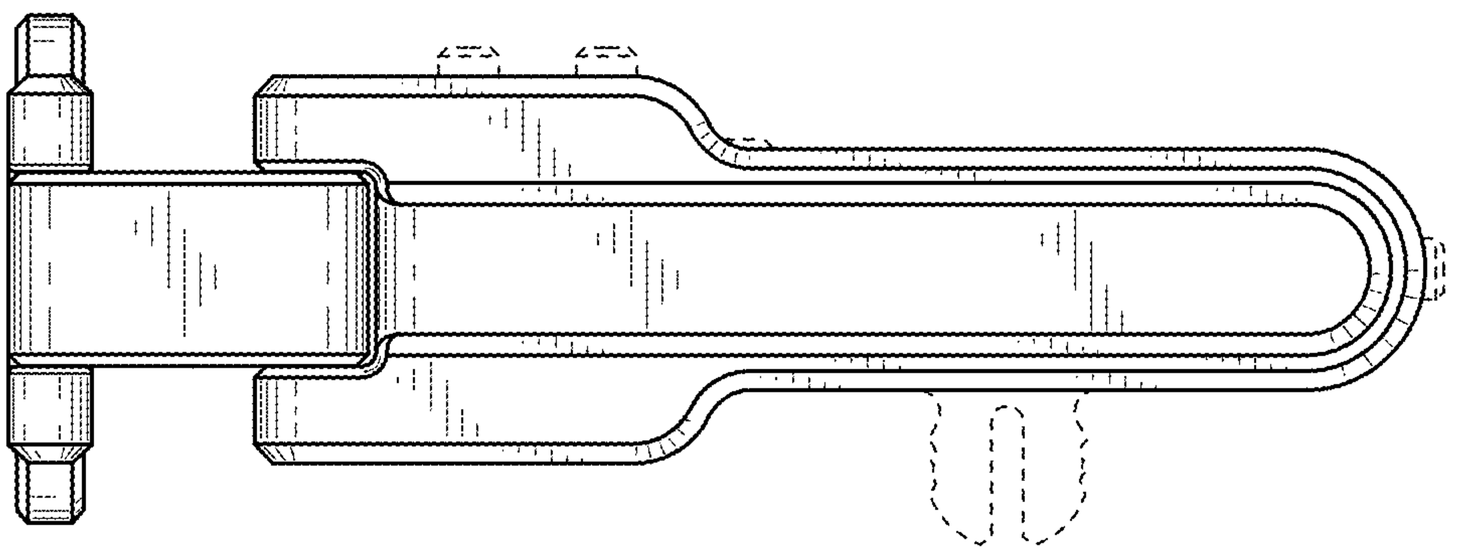


FIG. 4

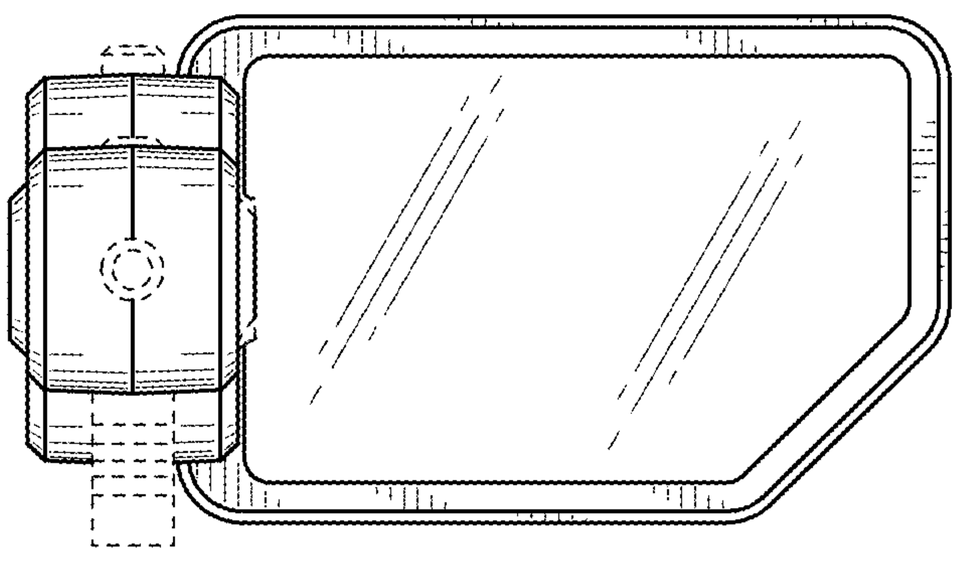


FIG. 5

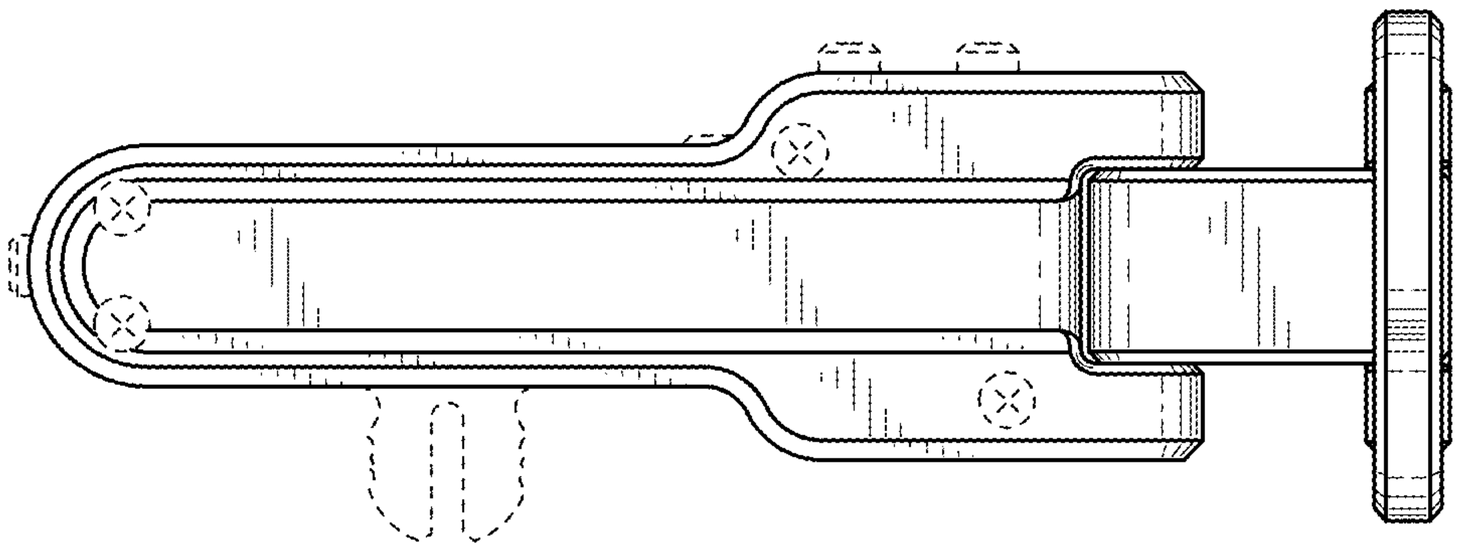


FIG. 6

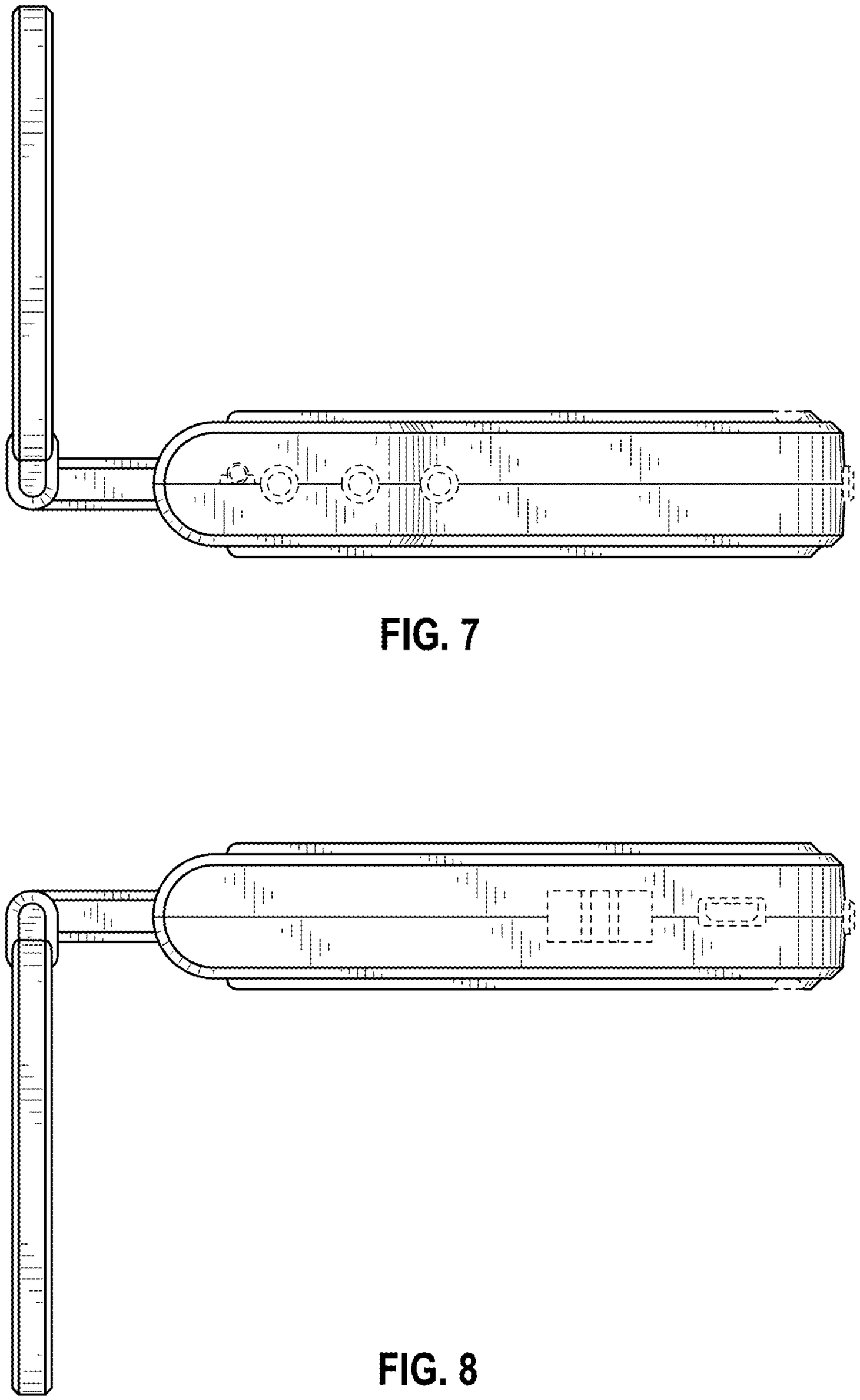


FIG. 7

FIG. 8

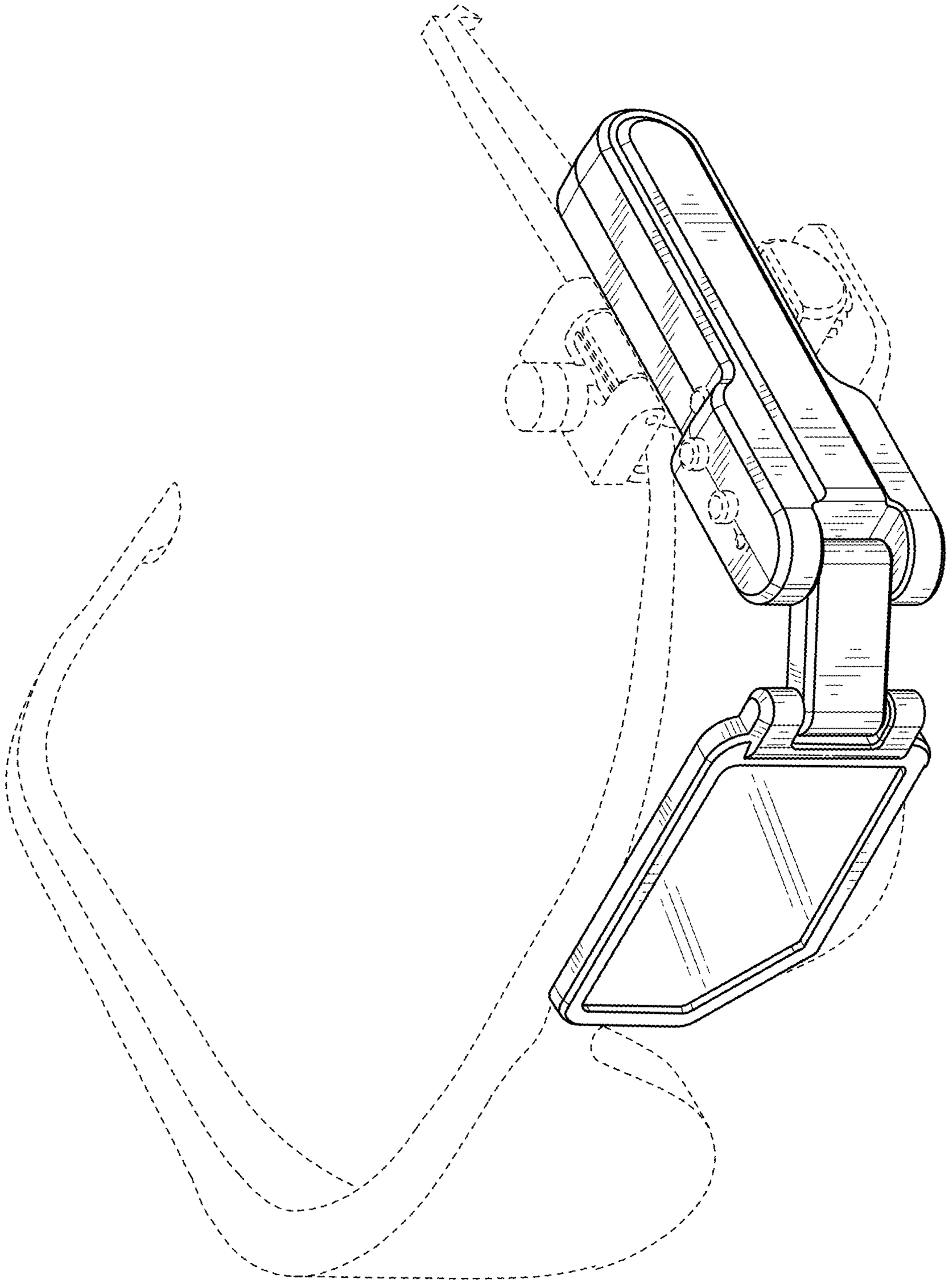


FIG. 9

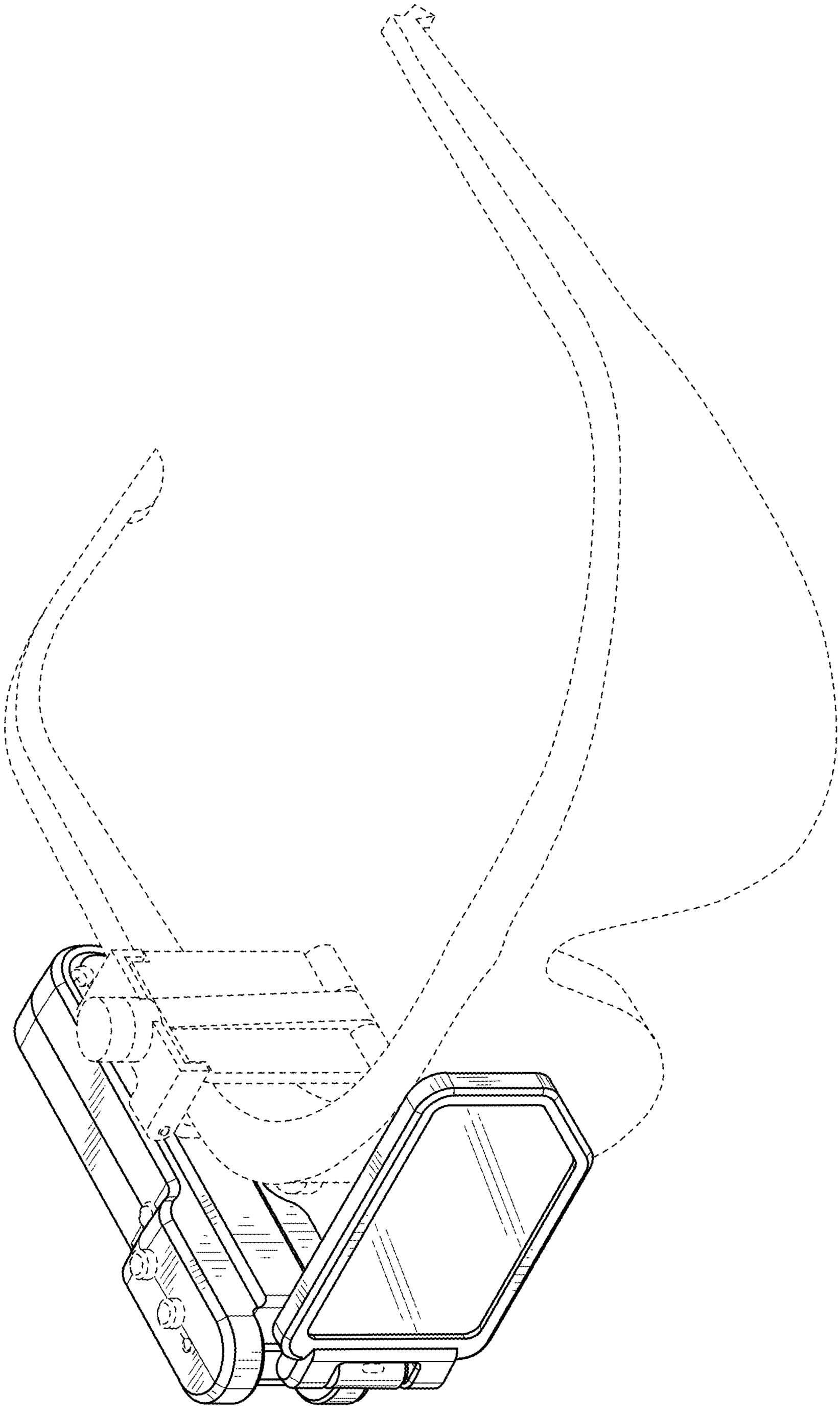


FIG. 10

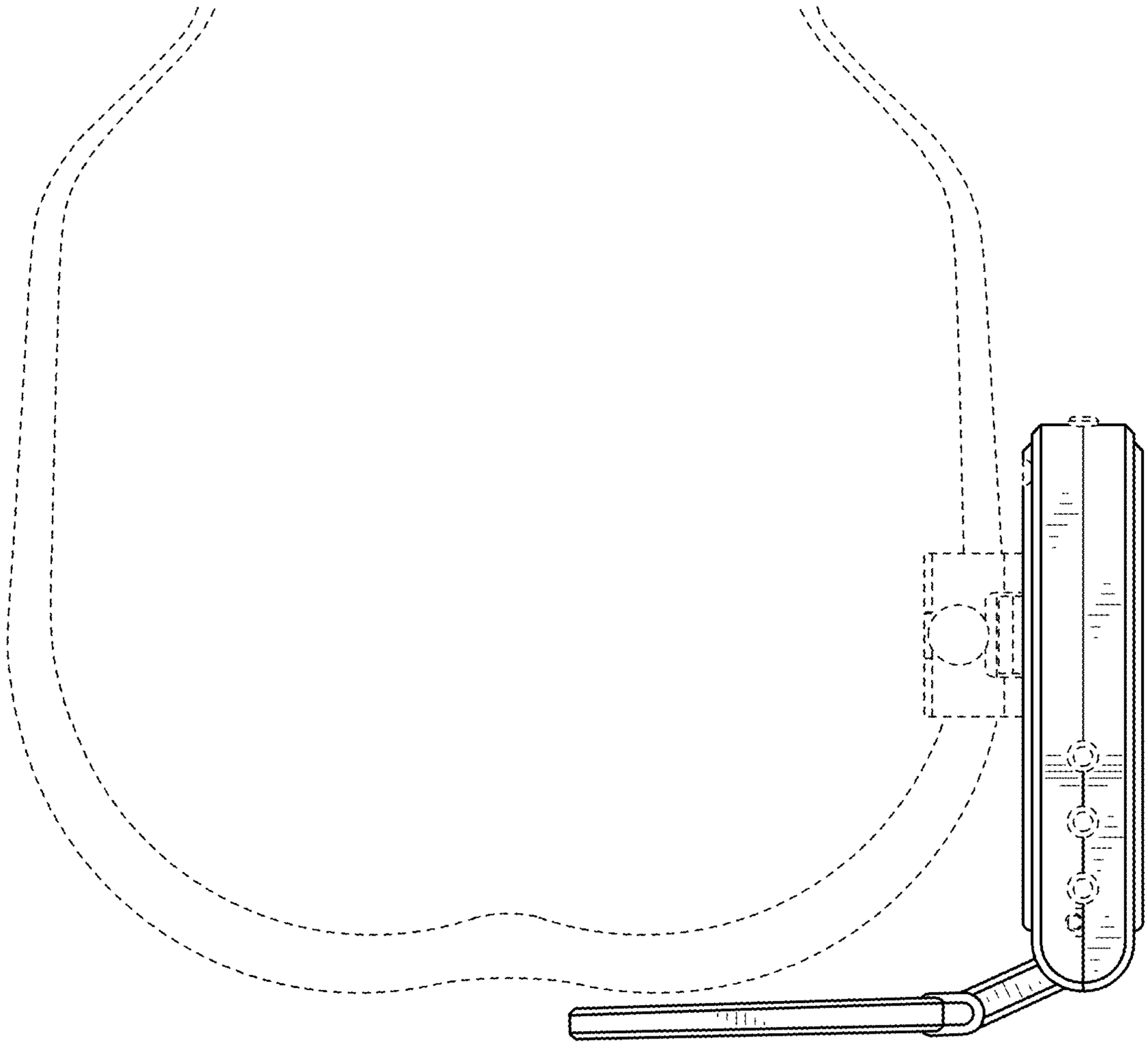


FIG. 11

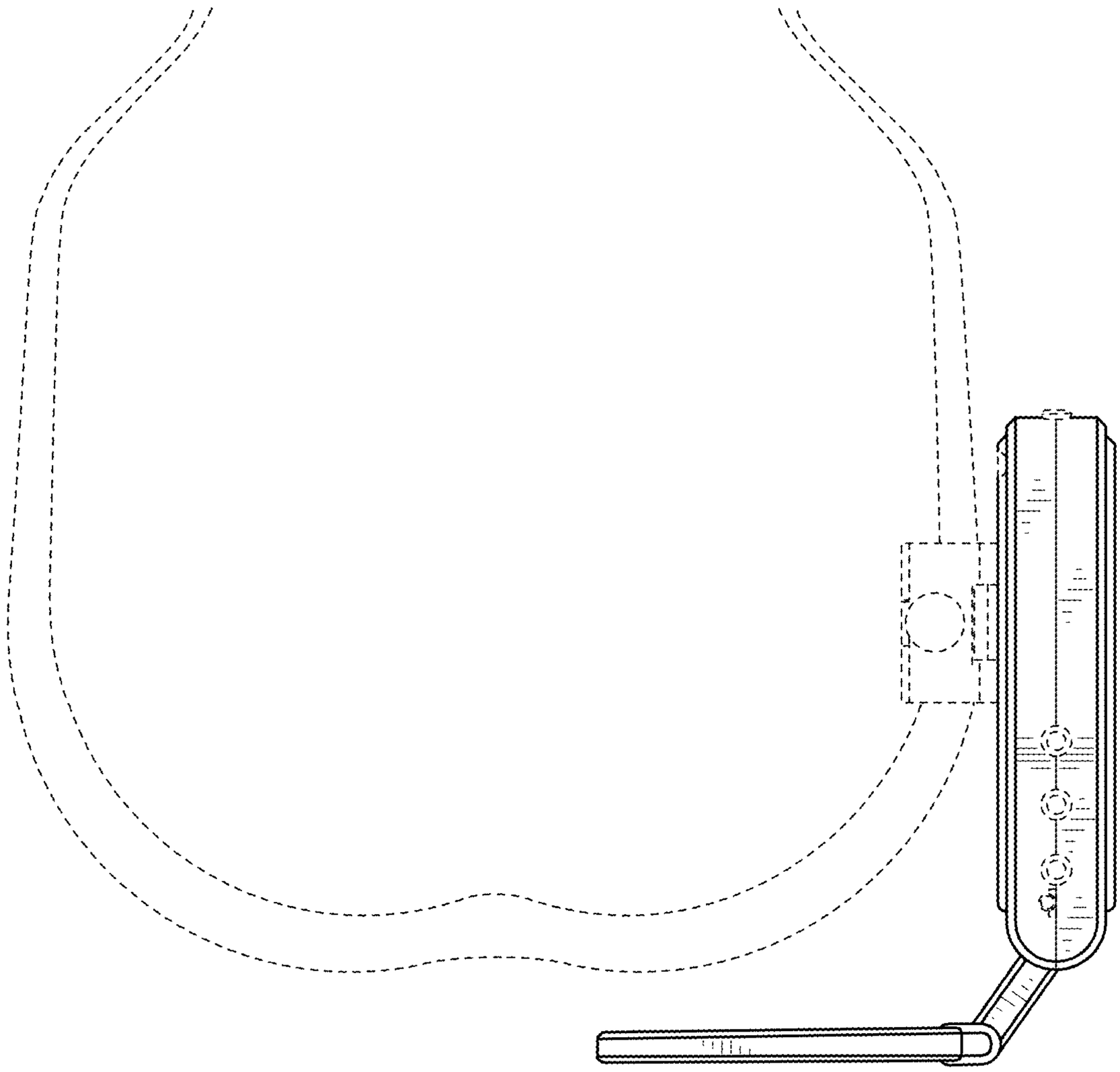


FIG. 12

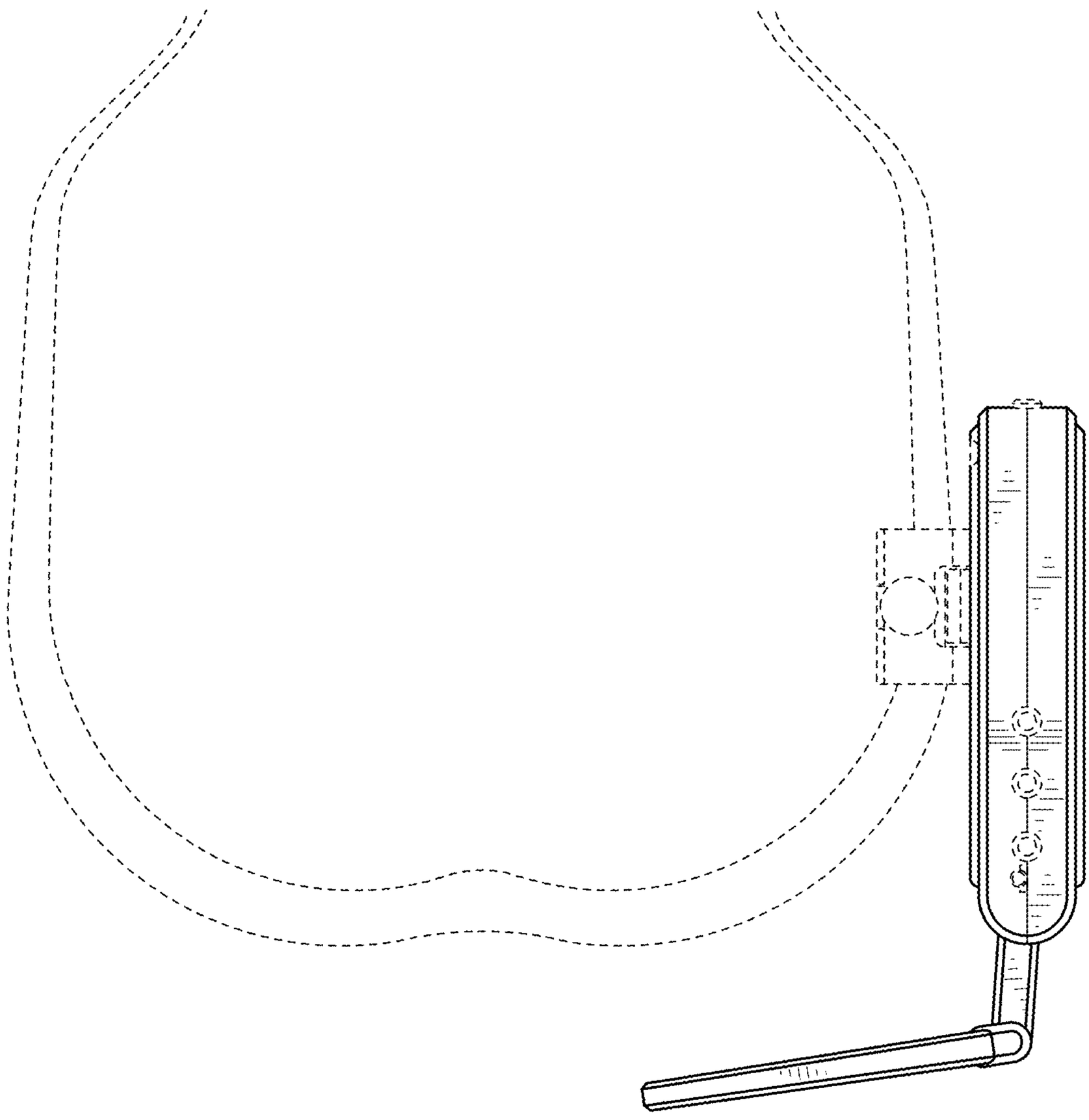


FIG. 13