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(12) United States Design Patent

Essex et al.

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(54) **IMPEDANCE MEASUREMENT SYSTEM COMPONENT**

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

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(51) **LOC (11) Cl.** **10-04**

(52) **U.S. Cl.**
USPC **D10/94**

(58) **Field of Classification Search**
USPC D10/46, 93, 94
CPC G01G 21/28; G01G 21/283; G01G 21/286; G01G 21/30; G01G 23/37; G01G 23/3728; G01G 23/3735
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D329,392	S	9/1992	Kurata
D401,173	S	11/1998	Kurata et al.
D403,261	S	12/1998	Kurata et al.
D403,605	S	1/1999	Kurata
D403,977	S	1/1999	Kurata et al.
D403,978	S	1/1999	Kurata et al.
D409,932	S	5/1999	Kurata et al.
D410,397	S	6/1999	Kurata et al.
D414,126	S	9/1999	Kurata et al.
D414,127	S	9/1999	Kurata et al.
D414,710	S	10/1999	Sato
D415,050	S	10/1999	Kurata et al.
D415,701	S	10/1999	Sunako

(Continued)

FOREIGN PATENT DOCUMENTS

JP	5077321	B2	11/2012
JP	5707798	B2	4/2015

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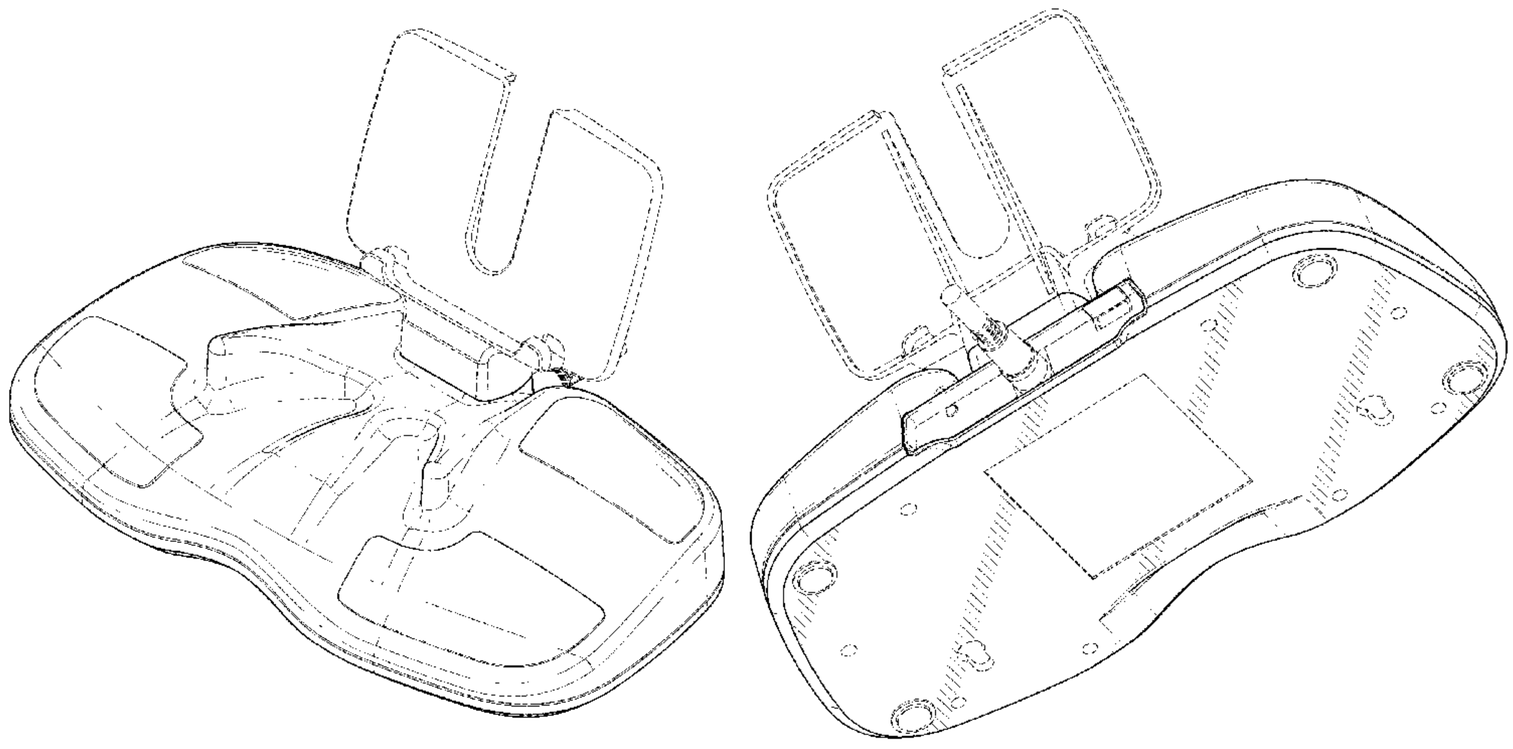
(57) **CLAIM**

The ornamental design for an impedance measurement system component, substantially as shown and described herein.

DESCRIPTION

FIG. **1** is a front, top, and first side perspective view of a first embodiment of an impedance measurement system component embodying the new design;
FIG. **2** is a back, bottom, and second side perspective view thereof;
FIG. **3** is top view thereof;
FIG. **4** is a bottom view thereof;
FIG. **5** is a front view thereof;
FIG. **6** is a back view thereof;
FIG. **7** is a second side view thereof;
FIG. **8** is a first side view thereof;
FIG. **9** is a front, top, and first side perspective view of an alternative embodiment of an impedance measurement system component embodying the new design;
FIG. **10** is a back, bottom, and second side perspective view thereof;
FIG. **11** is top view thereof;
FIG. **12** is a bottom view thereof;
FIG. **13** is a front view thereof;
FIG. **14** is a back view thereof;
FIG. **15** is a second side view thereof; and,
FIG. **16** is a first side view thereof.
Broken lines are used to illustrate features of the impedance measurement system component which form no part of the claimed design. In the alternative embodiment illustrated in FIGS. **9-16**, additional features are also shown in dashed form.

1 Claim, 14 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D415,972	S	11/1999	Sato et al.	
D420,609	S	2/2000	Sato	
D425,807	S	5/2000	Sato	
D427,095	S	6/2000	Ishikawa et al.	
D430,053	S	8/2000	Ariyama et al.	
D442,872	S	5/2001	Sato	
6,256,532	B1	7/2001	Cha	
D458,169	S	6/2002	Shibata et al.	
6,400,983	B1	6/2002	Cha	
D463,302	S	9/2002	Ariyama et al.	
D465,166	S	11/2002	Sato	
D469,779	S	2/2003	Sato et al.	
D470,782	S	2/2003	Motomizu	
D470,783	S	2/2003	Kobayakawa	
D470,784	S	2/2003	Murase	
D472,485	S	4/2003	Vermillion	
D488,733	S	4/2004	Kobayakawa et al.	
D491,478	S	6/2004	Shoji et al.	
D492,212	S	6/2004	Kobayakawa et al.	
D492,609	S	7/2004	Sato	
D492,905	S	7/2004	Shoji et al.	
D497,561	S	10/2004	Sato et al.	
D497,562	S	10/2004	Shoji et al.	
D497,563	S	10/2004	Vuckovic	
D497,818	S	11/2004	Sato et al.	
D497,819	S	11/2004	Murase et al.	
D497,820	S	11/2004	Vuckovic et al.	
D497,821	S	11/2004	Montagnino et al.	
D498,155	S	11/2004	Sato et al.	
D498,157	S	11/2004	Kobayakawa	
D498,158	S	11/2004	Vuckovic	
D498,159	S	11/2004	Joss et al.	
D498,160	S	11/2004	Vuckovic et al.	
D498,690	S	11/2004	Joss et al.	
D498,691	S	11/2004	Van De et al.	
D498,692	S	11/2004	Vuckovic et al.	
D499,036	S	11/2004	Joss et al.	
D499,037	S	11/2004	Vuckovic	
D501,642	S	2/2005	Vuckovic et al.	
D502,417	S	3/2005	Kobayakawa	
D503,119	S	3/2005	Motomizu	
D503,120	S	3/2005	Sato et al.	
D506,155	S	6/2005	Montagnino et al.	
D507,758	S	7/2005	Joss et al.	
D507,982	S	8/2005	Shoji et al.	
D507,983	S	8/2005	Kobayakawa	
D511,702	S	11/2005	Murase	
D513,707	S	1/2006	Choi et al.	
D513,708	S	1/2006	Choi et al.	
D516,928	S	3/2006	Choi et al.	
D520,391	S	5/2006	Motomizu	
D520,890	S	5/2006	Matsumoto et al.	
D520,891	S	5/2006	Motomizu et al.	
D520,892	S	5/2006	Kobayakawa et al.	
D520,893	S	5/2006	Sato	
D521,402	S	5/2006	Kobayakawa et al.	
D521,890	S	5/2006	Motomizu et al.	
D523,365	S	6/2006	Kajimoto et al.	
D527,663	S	9/2006	Matsumoto et al.	
D531,534	S	11/2006	Motomizu et al.	
D539,684	S	4/2007	Kitamura et al.	
D543,880	S	6/2007	Matsumoto et al.	
D543,882	S	6/2007	Kousuge	
D544,385	S	6/2007	Ozawa et al.	
D545,225	S	6/2007	Azuma	
D545,708	S	7/2007	Kajimoto et al.	
D545,709	S	7/2007	Iizuka et al.	
D546,220	S	7/2007	Hartman et al.	
D546,722	S	7/2007	Montagnino et al.	
D547,217	S	7/2007	Montagnino et al.	
D547,219	S	7/2007	Kajimoto et al.	
D548,839	S	8/2007	Kobayakawa et al.	
D552,498	S	10/2007	Roesmann et al.	
D563,812	S	3/2008	Matsumoto et al.	
D563,813	S	3/2008	Tomita et al.	
D563,814	S	3/2008	Matsumoto et al.	
D576,898	S	9/2008	Kousuge et al.	
D576,899	S	9/2008	Kousuge et al.	
D576,900	S	9/2008	Kousuge et al.	
D578,422	S	10/2008	Kobayakawa et al.	
D578,423	S	10/2008	Otsuka et al.	
D578,912	S	10/2008	Kobayakawa et al.	
D578,913	S	10/2008	Crickmore et al.	
D578,914	S	10/2008	Otsuka et al.	
D578,915	S	10/2008	Wright	
D578,917	S	10/2008	Otsuka et al.	
D579,363	S	10/2008	Kobayakawa et al.	
D579,364	S	10/2008	Kobayakawa et al.	
D579,365	S	10/2008	Kitamura	
D579,366	S	10/2008	Otsuka et al.	
D580,806	S	11/2008	Otsuka et al.	
D582,306	S	12/2008	Wright	
D582,813	S	12/2008	Otsuka et al.	
D586,679	S	2/2009	Kurata et al.	
D592,534	S	5/2009	Kousuge	
D603,736	S	* 11/2009	Sowards	D10/92
D628,503	S	12/2010	Kasano et al.	
D628,920	S	12/2010	Kasano et al.	
D639,192	S	* 6/2011	Li	D10/93
D645,368	S	* 9/2011	Shiloh	D10/93
D645,369	S	9/2011	Rhein et al.	
D653,571	S	2/2012	Kobayakawa	
D682,718	S	5/2013	Azuma	
D691,502	S	* 10/2013	Otsuka	D10/92
D691,905	S	* 10/2013	Kobayakawa	D10/93
D725,522	S	3/2015	Kousuge	
D725,525	S	3/2015	Kousuge	
D731,343	S	6/2015	Kobayakawa	
2013/0072813	A1	3/2013	Vogel	
2014/0073983	A1	3/2014	Vogel et al.	

* cited by examiner

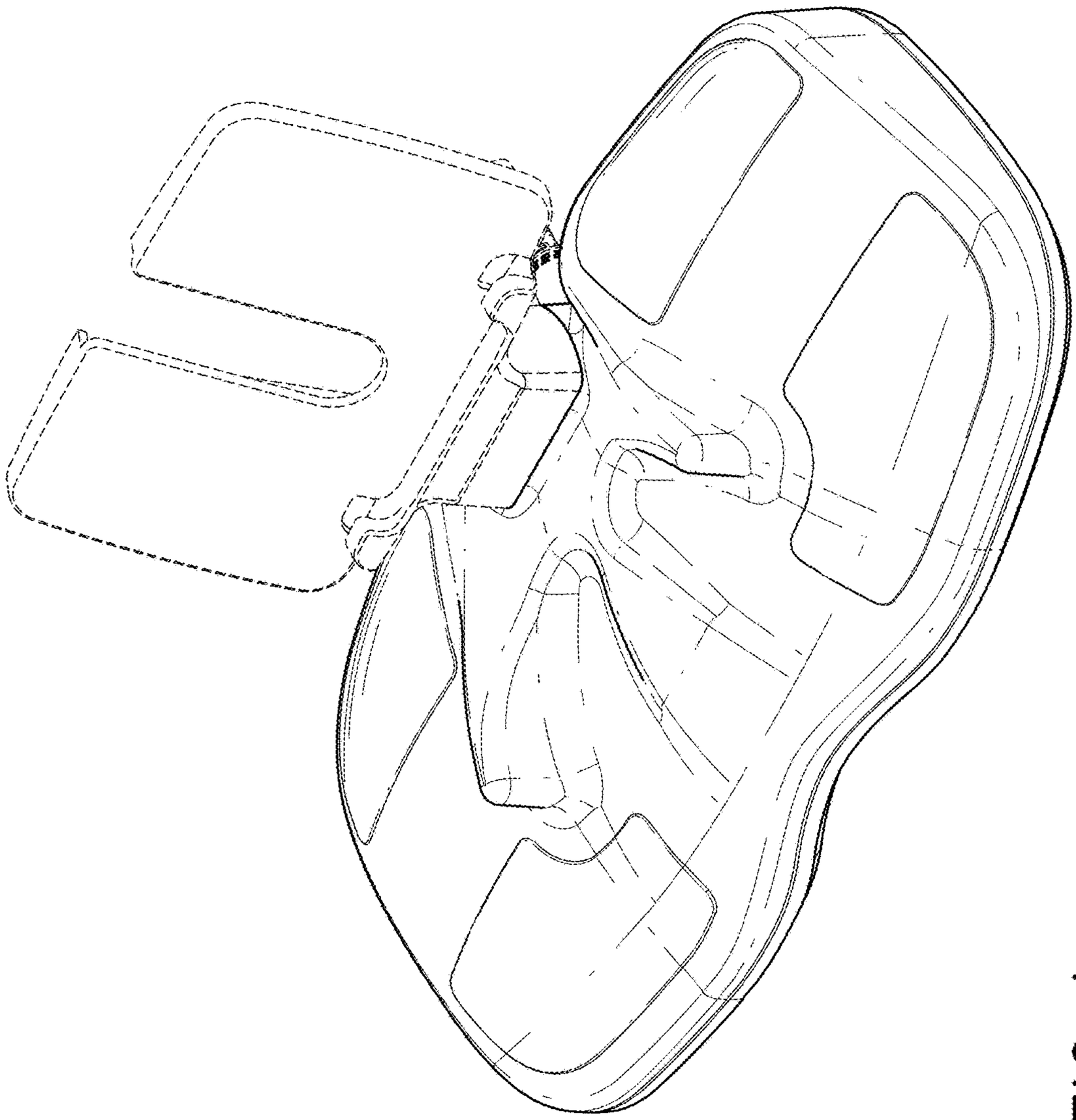


FIG. 1

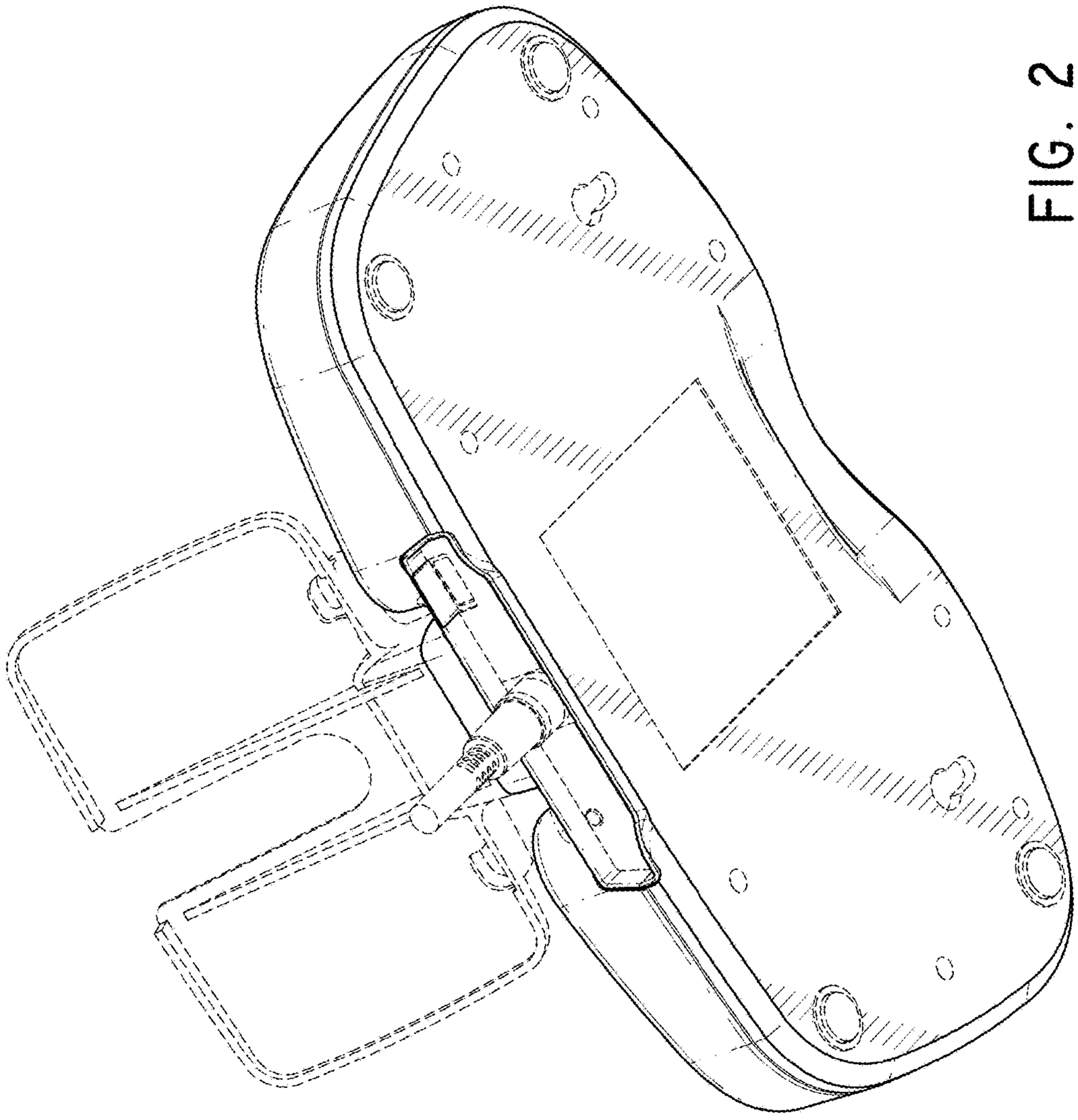
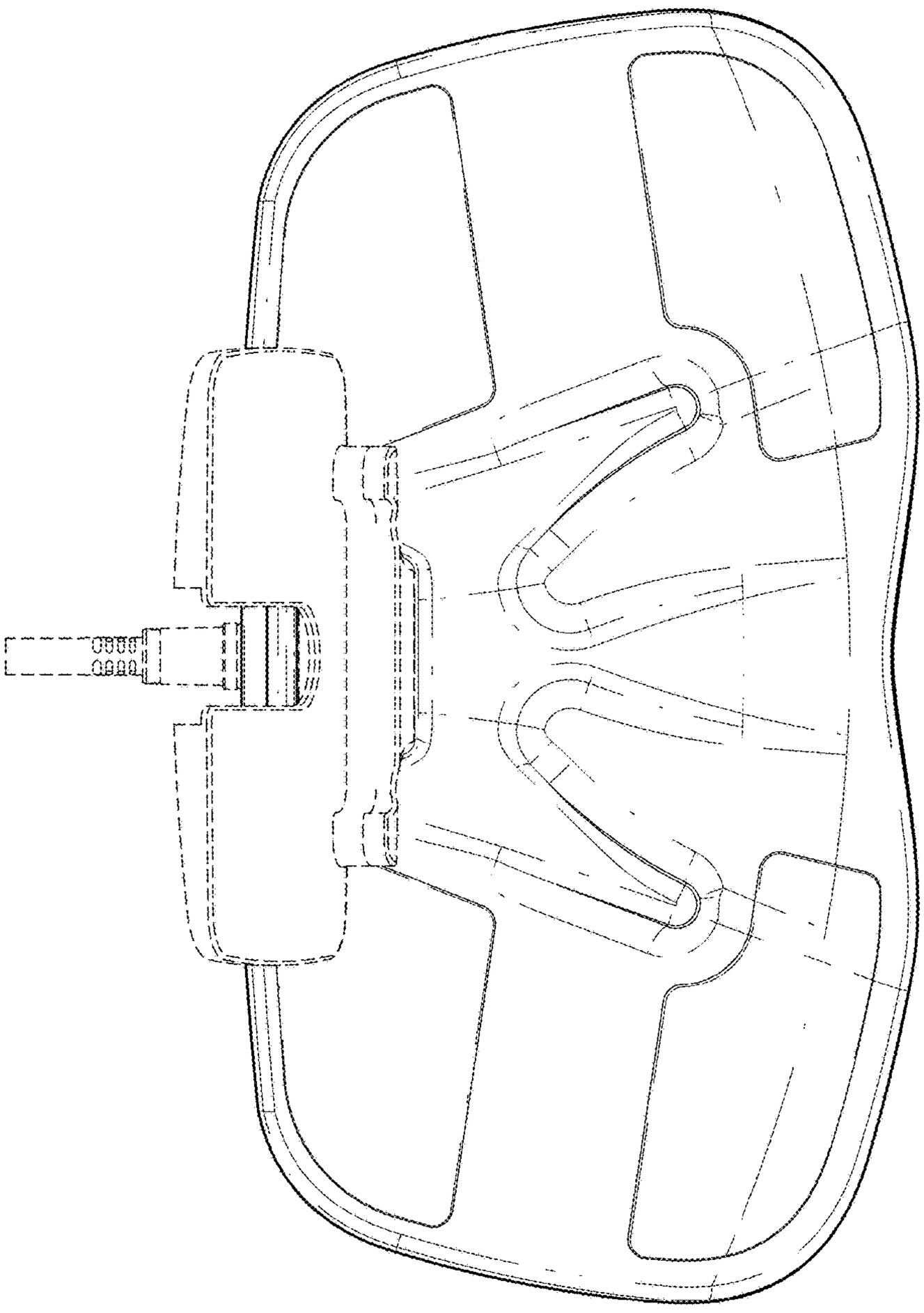


FIG. 2



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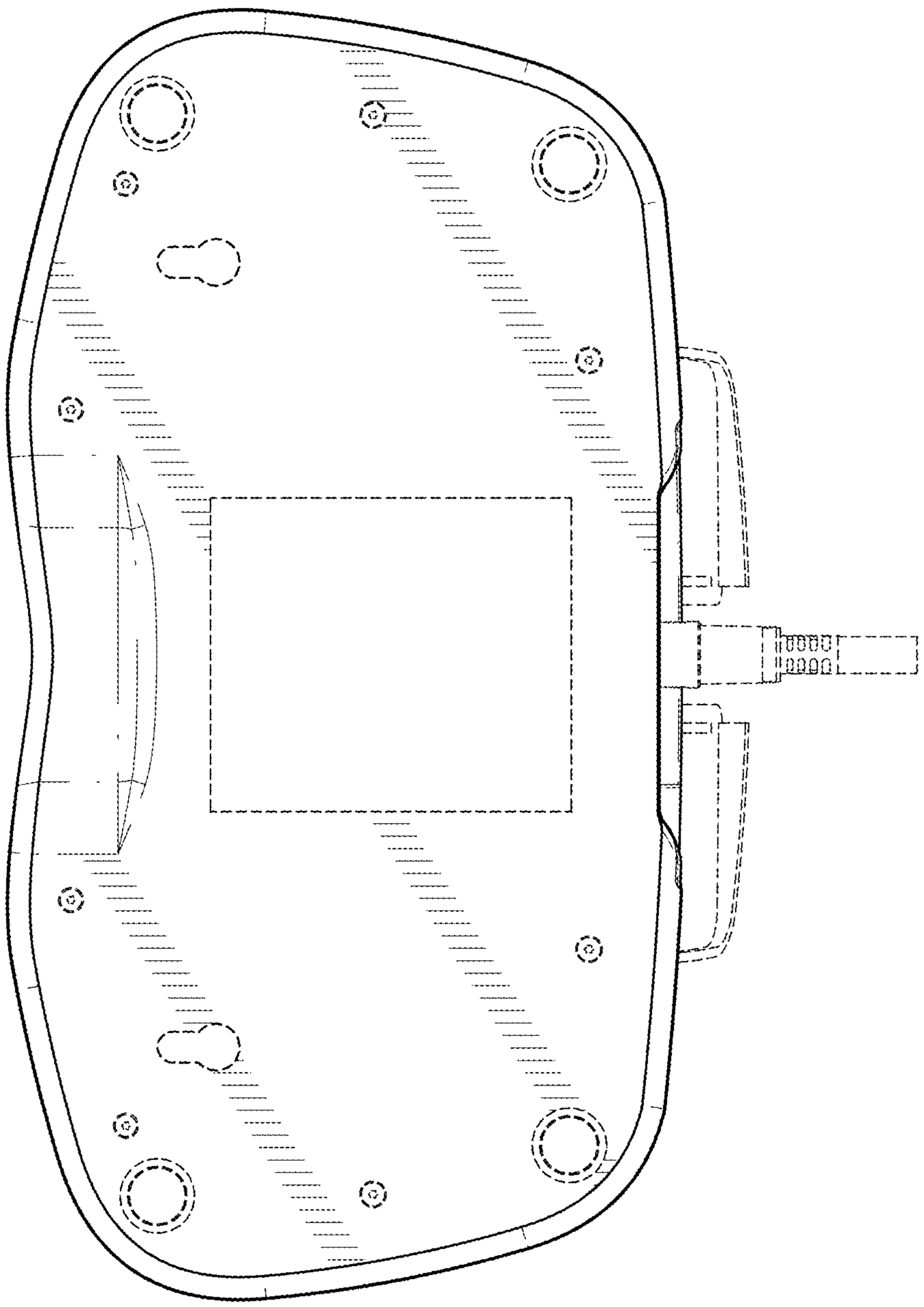

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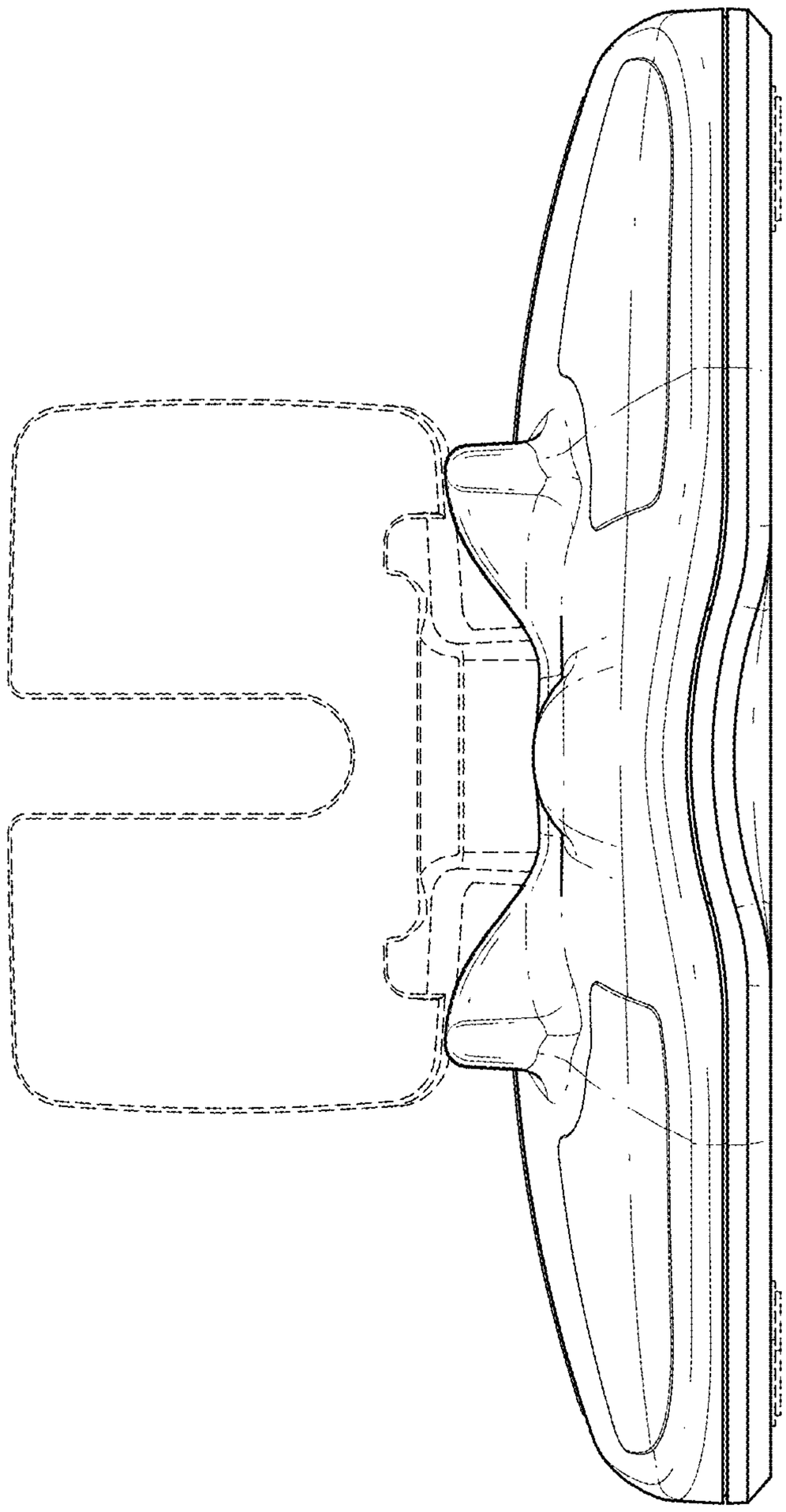

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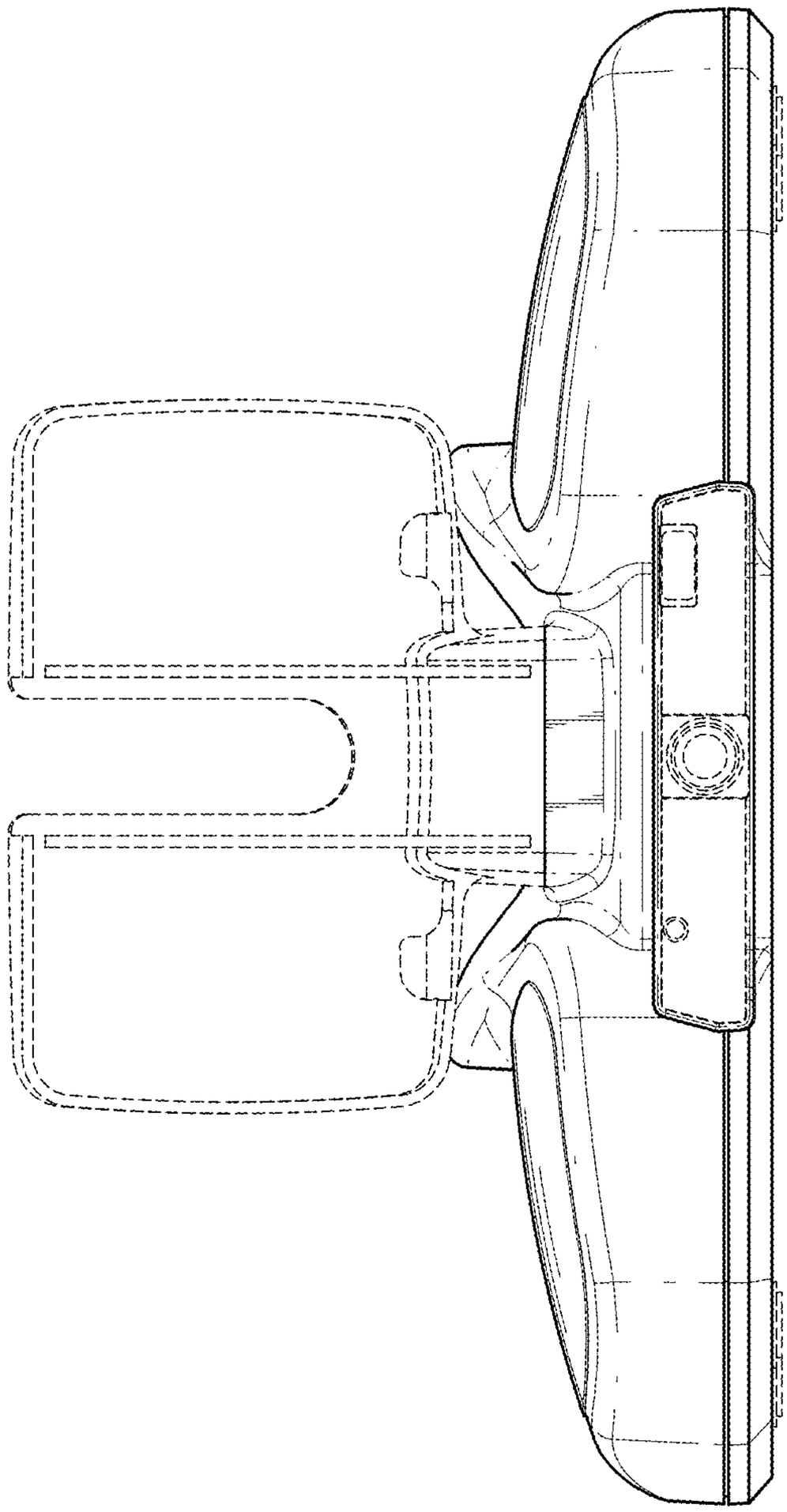

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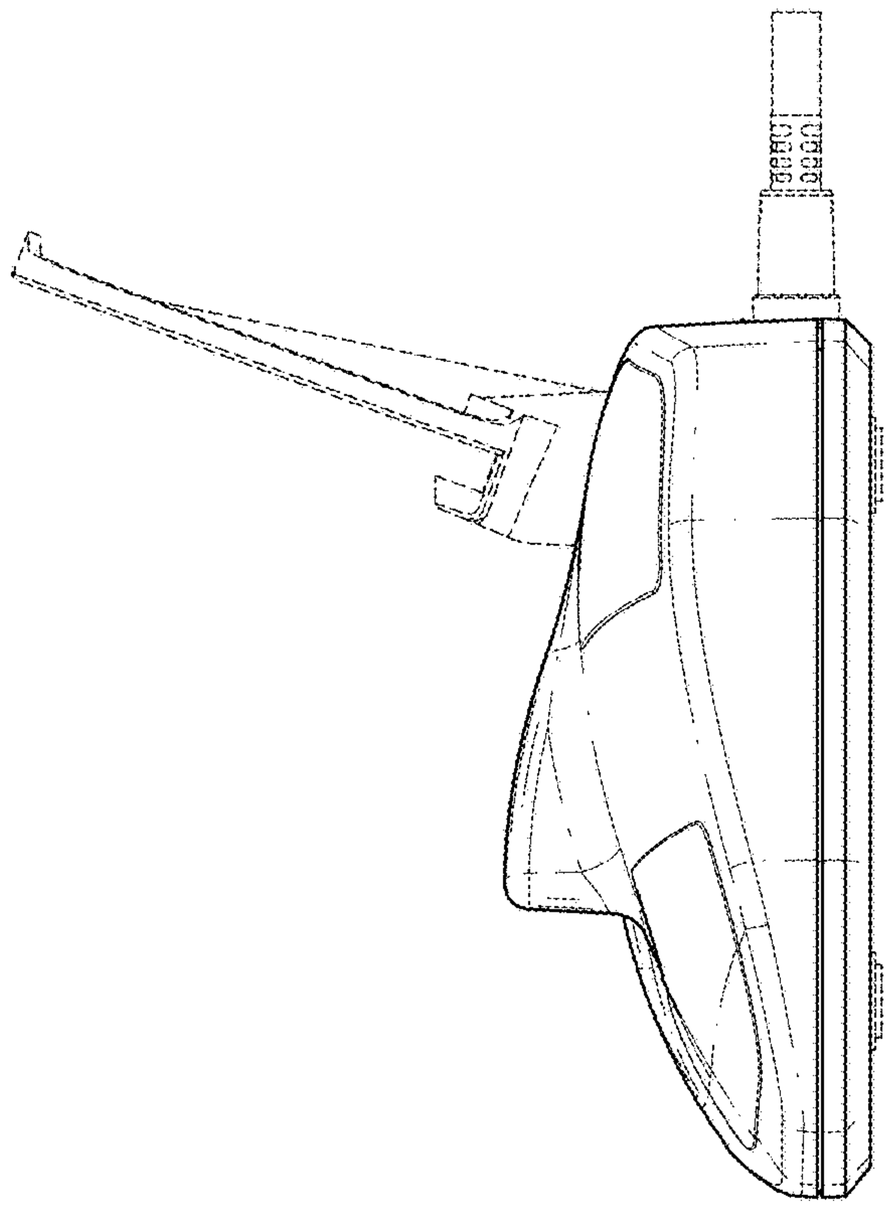

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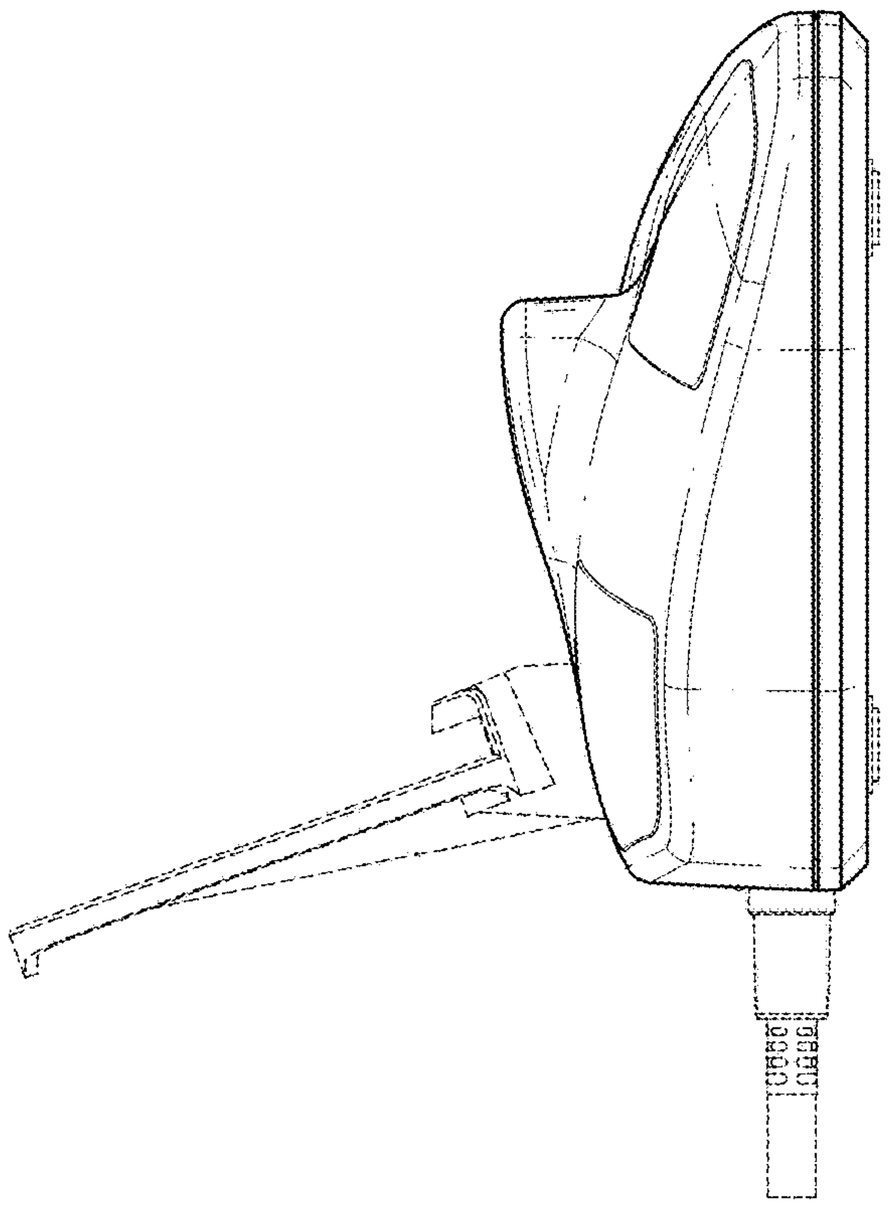

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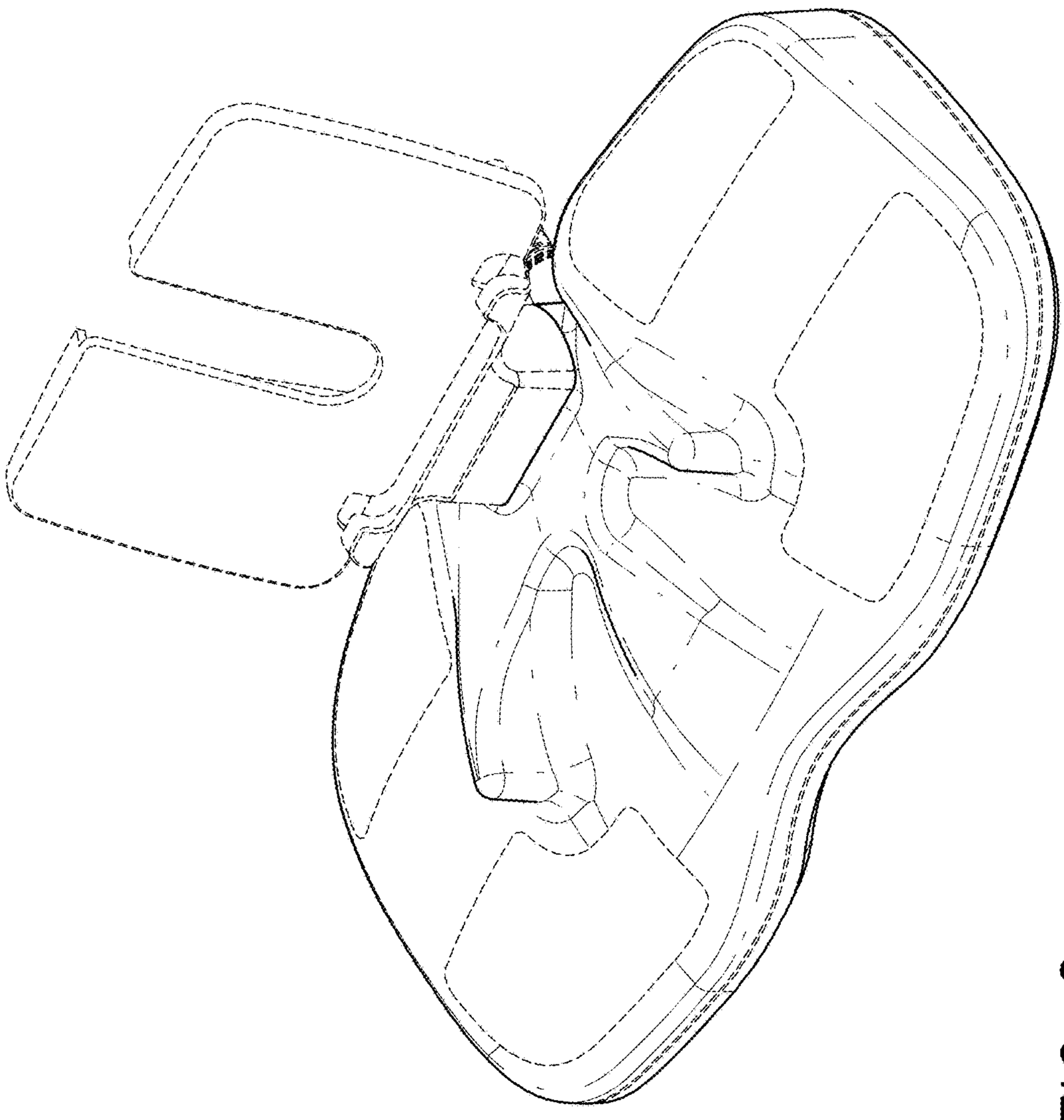


FIG. 9

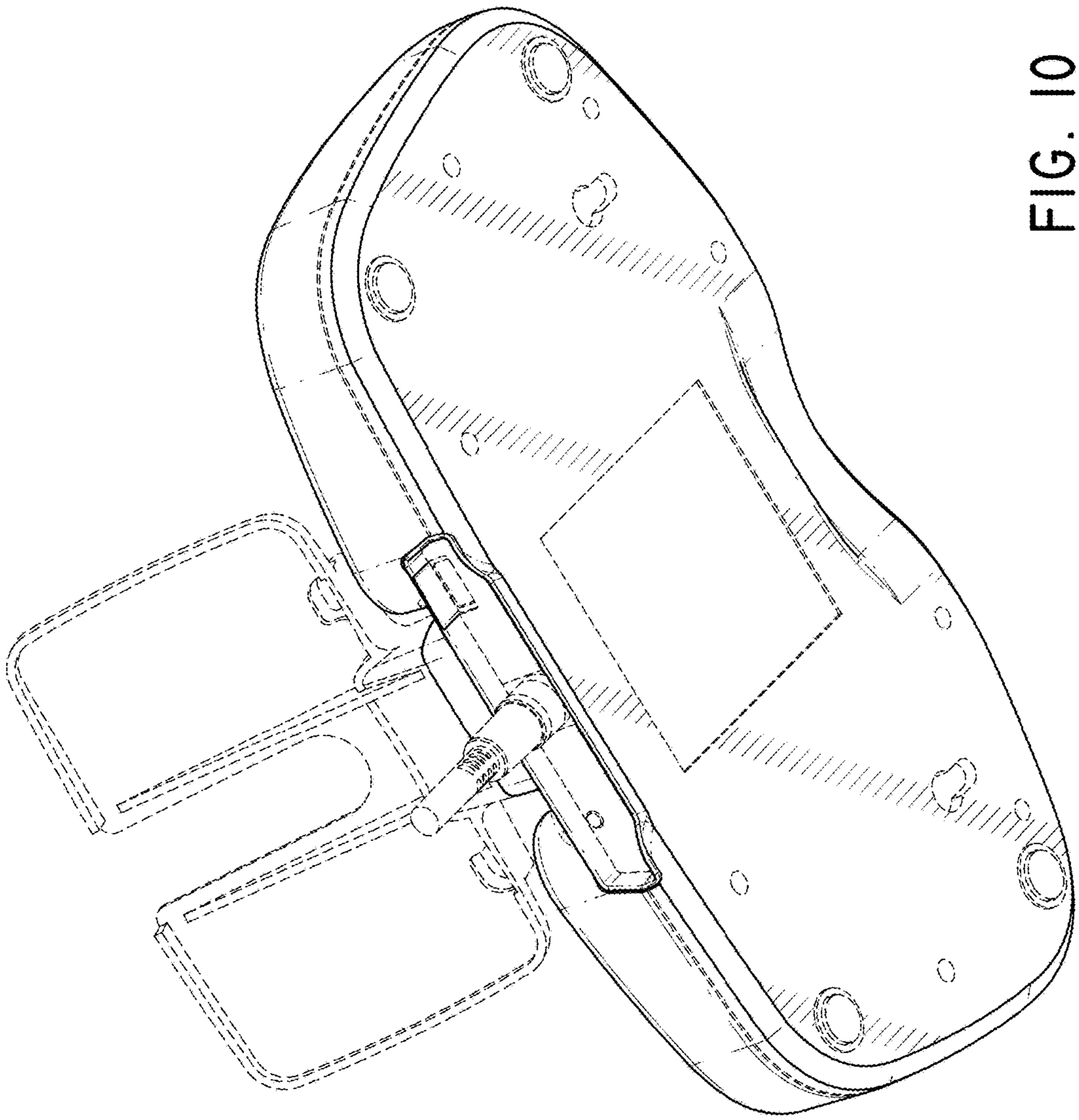


FIG. 10

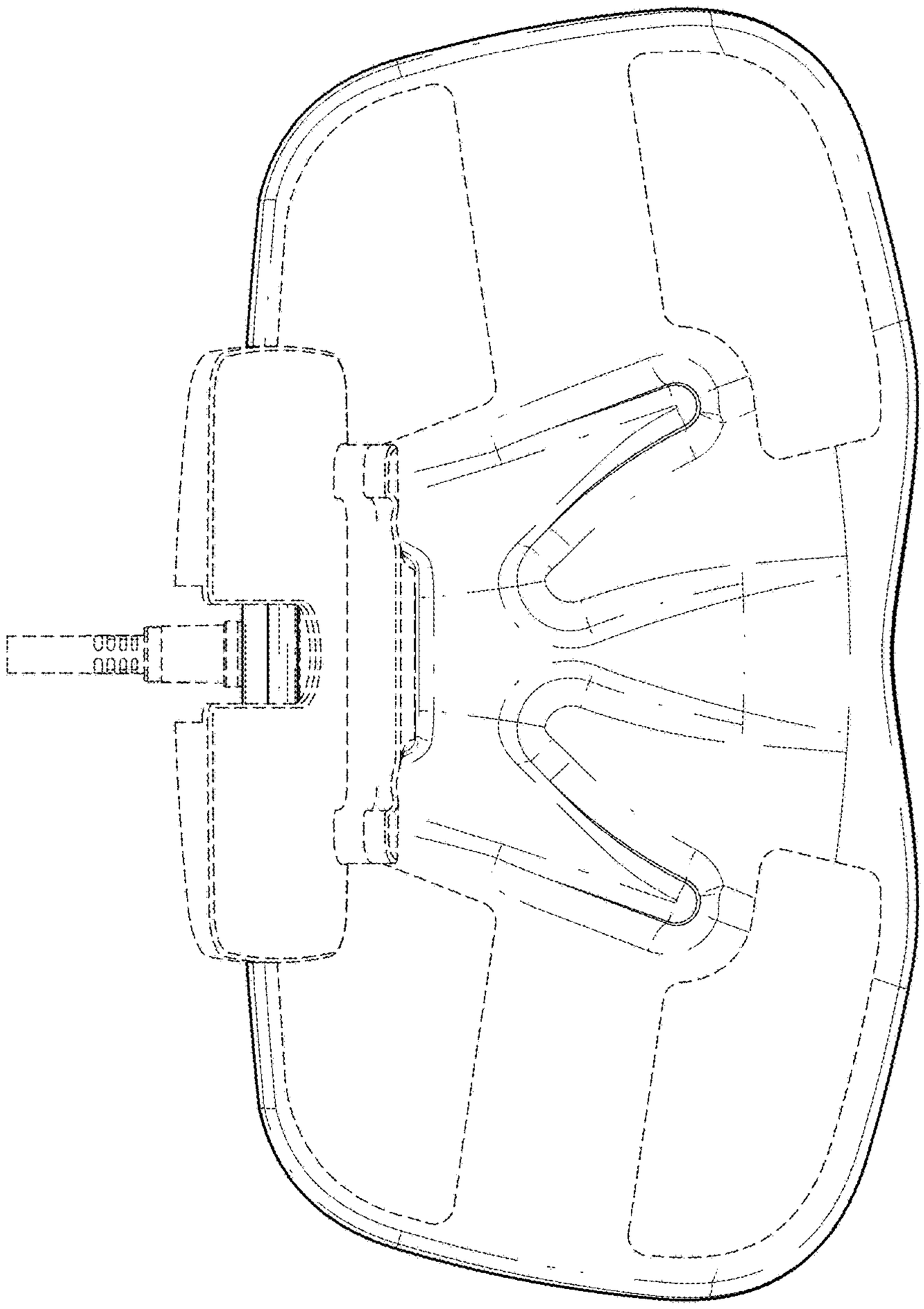


FIG. III

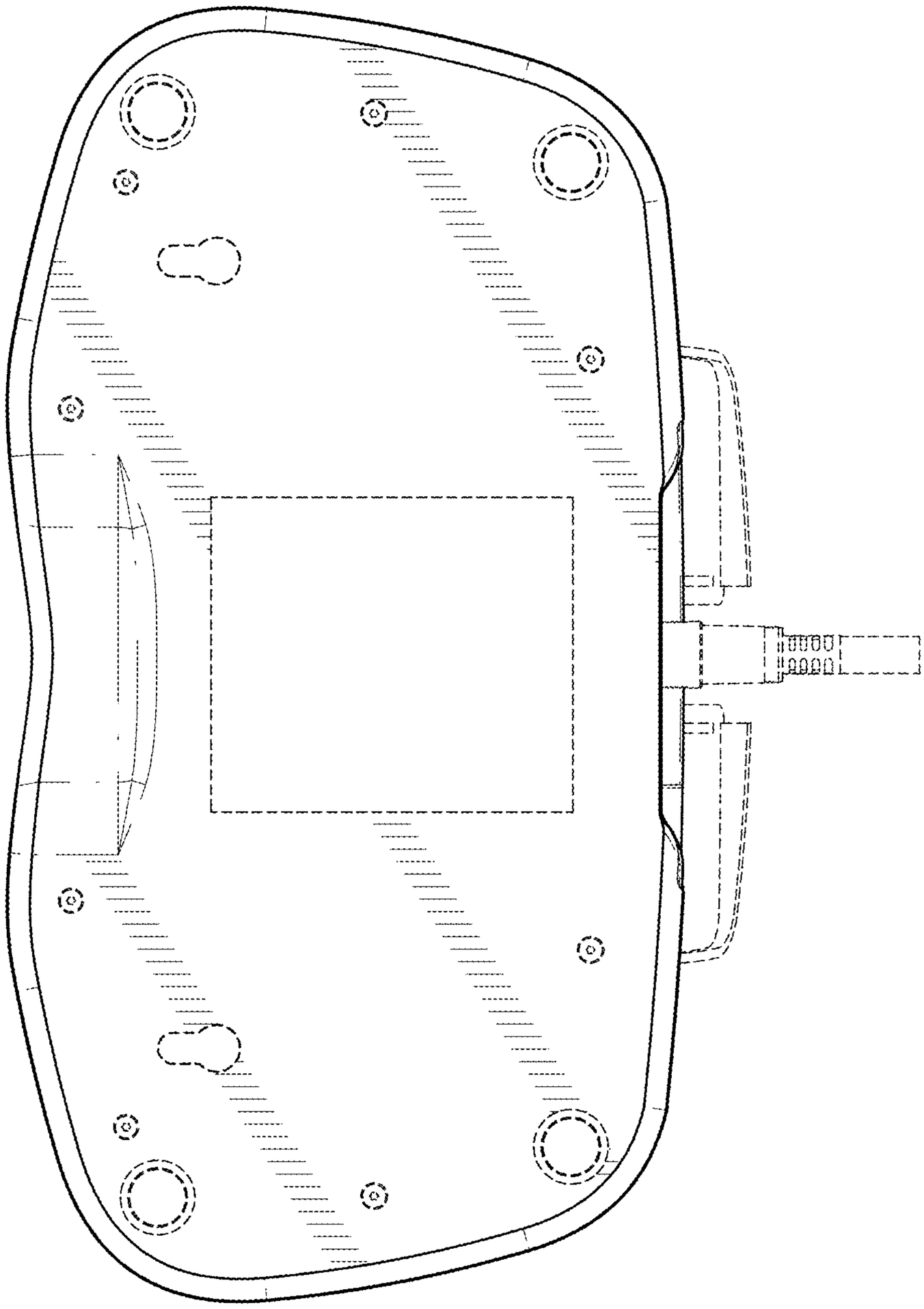


FIG. 12

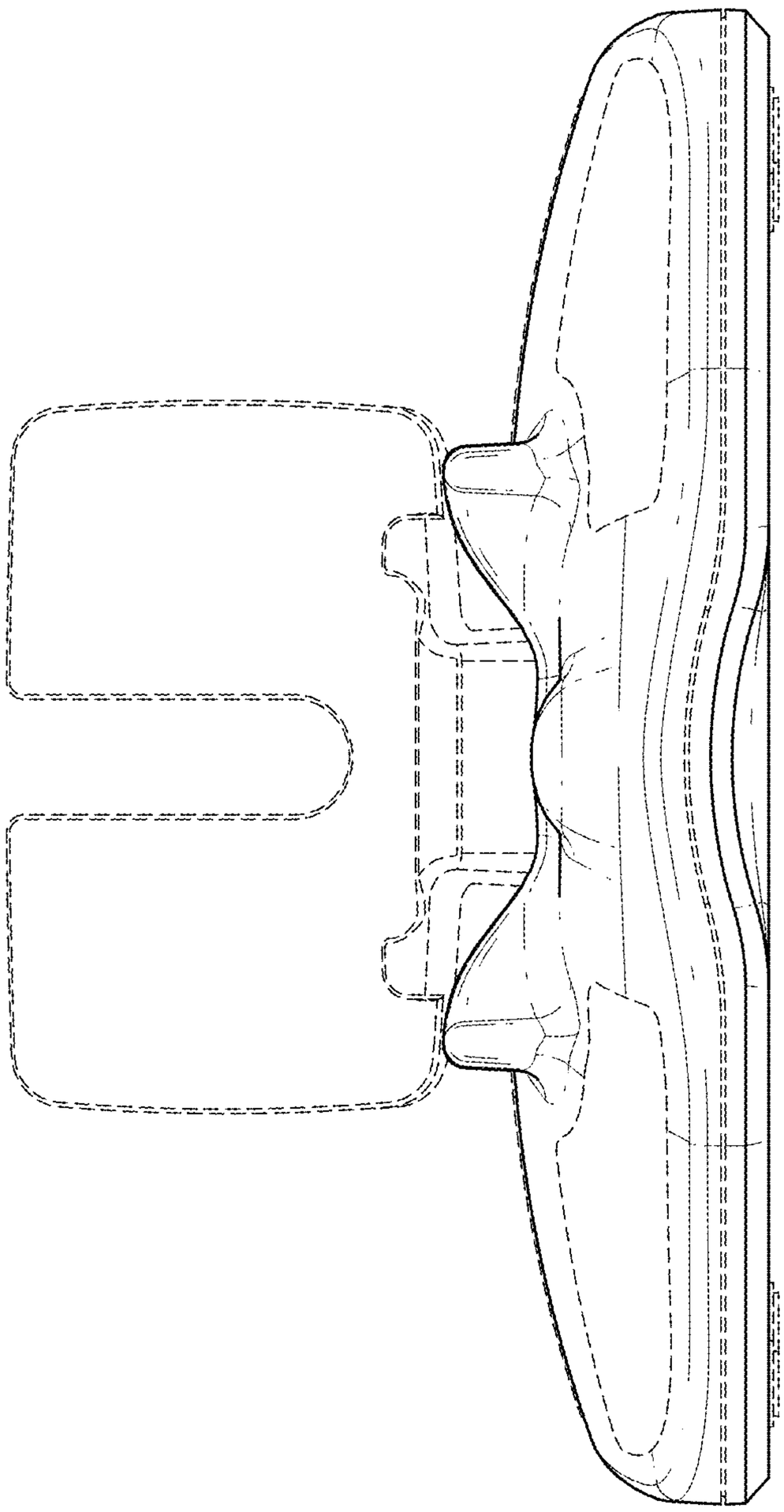
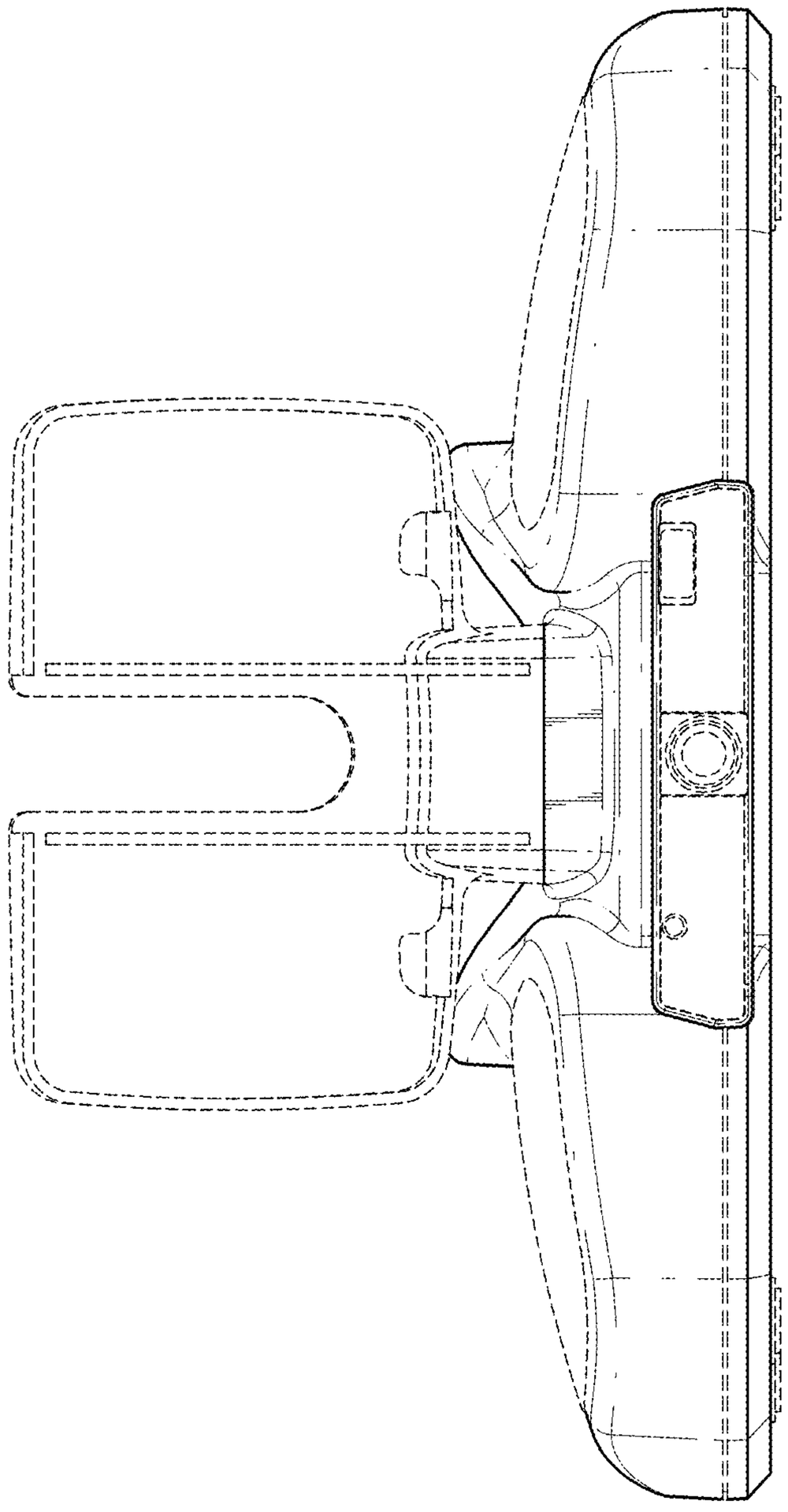


FIG. 13



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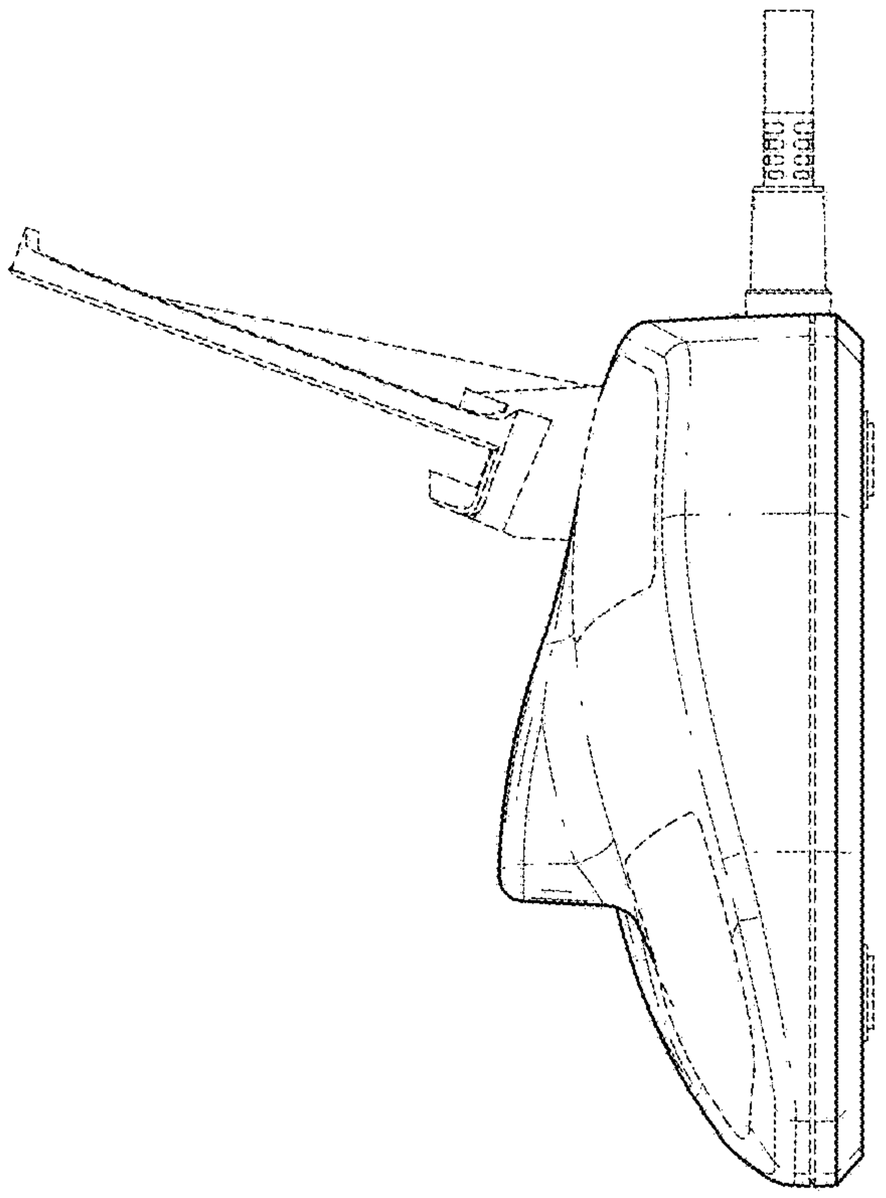

FIG. 16

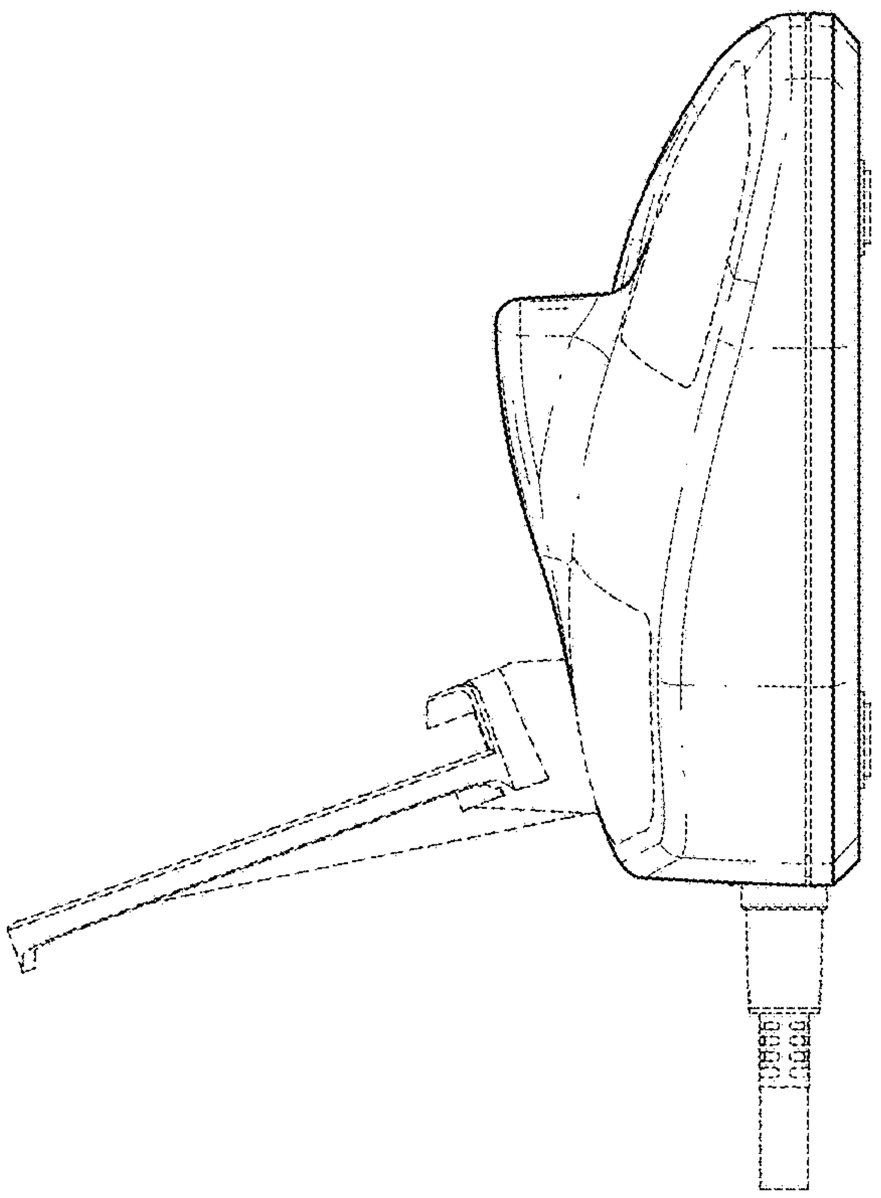

FIG. 15