

US00D960361S

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

(10) **Patent No.:** **US D960,361 S**
(45) **Date of Patent:** **** Aug. 9, 2022**

(54) **JOYSTICK FOR MEDICAL DEVICE**

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

(21) Appl. No.: **29/737,028**

(22) Filed: **Jun. 4, 2020**

(30) **Foreign Application Priority Data**

Dec. 5, 2019 (EM) 007342670

(51) **LOC (13) Cl.** **24-02**

(52) **U.S. Cl.**
USPC **D24/138; D24/133**

(58) **Field of Classification Search**
USPC D24/112-114, 108, 130, 127, 187, 133, D24/134, 135, 136, 137, 138, 140, 144, D24/145, 146, 147, 107; D8/303; D14/412-416; D21/324, 332, 333
CPC A61B 18/0218; A61B 18/02; A61B 2018/0231; A61B 2018/00452; A61B 17/2909; A61B 17/0469; A61B 17/0483; A61B 17/0485; A61B 1/313; A61B 1/3132; A61B 1/3135; A61B 1/3137; A61B 1/317; A61B 1/32; A61B 17/54; A46B 13/02; A46B 13/008; A63F 9/00; A63F 9/24; A63F 9/25; A63F 13/00; A63F 13/02

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D362,330 S * 9/1995 Avitan D34/35
D413,590 S * 9/1999 Altmann D14/416

D431,972 S * 10/2000 Naft D7/646
D436,165 S * 1/2001 Donaldson D24/113
D442,179 S * 5/2001 Alviar D14/412
D449,614 S * 10/2001 Osborn D14/412
D450,702 S * 11/2001 Sagawa D14/412
D454,569 S * 3/2002 Osborn D14/412
D462,685 S * 9/2002 Yamamoto D14/415

(Continued)

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(57) **CLAIM**

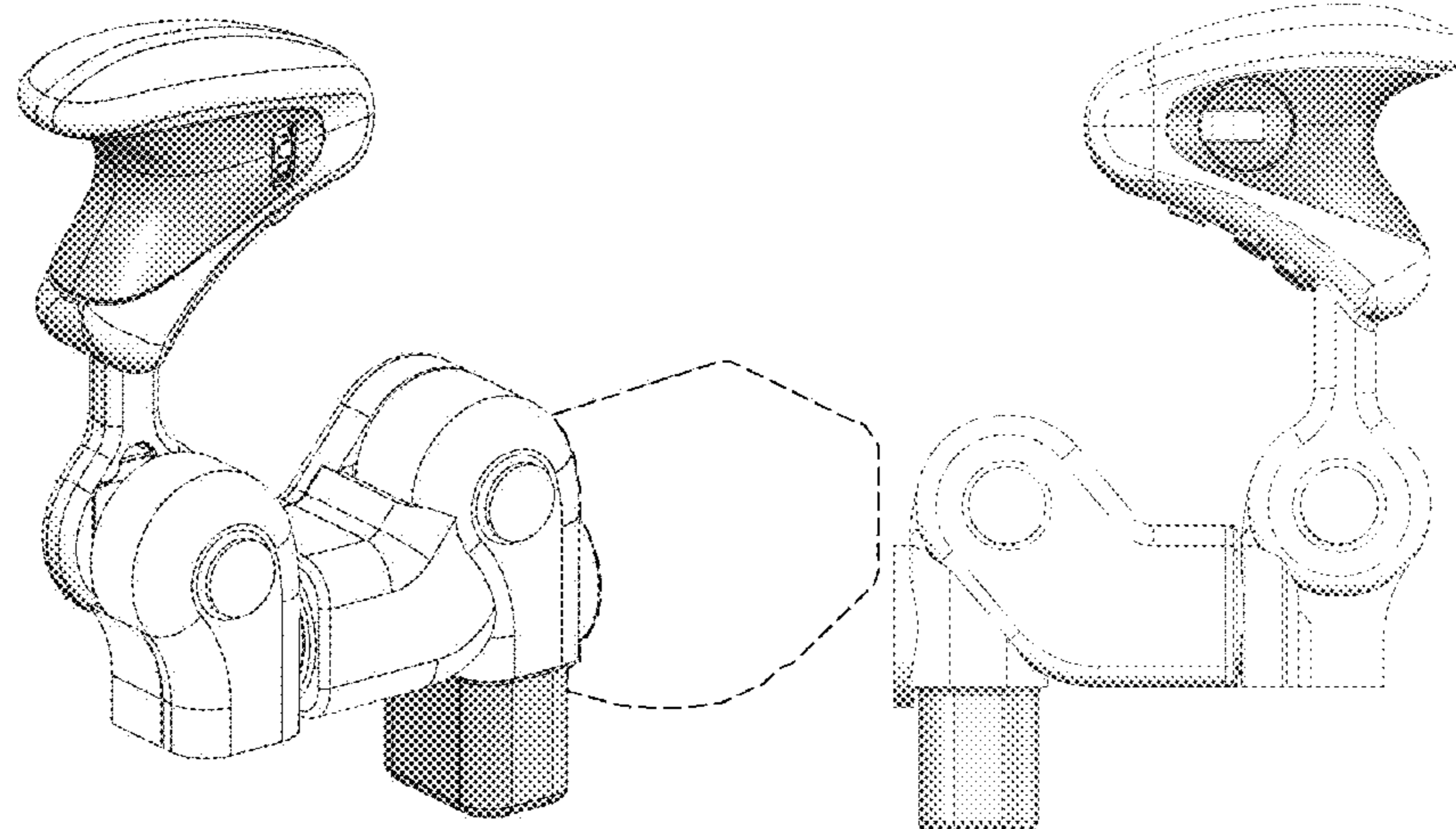
The ornamental design for a joystick for medical device, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a first embodiment of the joystick for medical device;
FIG. 2 is another perspective view thereof;
FIG. 3 is a front view thereof;
FIG. 4 is a rear view thereof;
FIG. 5 is a left side view thereof;
FIG. 6 is a right side view thereof;
FIG. 7 is a top view thereof;
FIG. 8 is a bottom view thereof;
FIG. 9 is a perspective view of a second embodiment of the joystick for medical device;
FIG. 10 is a left side view thereof;
FIG. 11 is a right side view thereof;
FIG. 12 is a front view thereof;
FIG. 13 is a rear view thereof;
FIG. 14 is a top view thereof; and,
FIG. 15 is a bottom view thereof.

The broken lines and unshaded surfaces they surround in the drawings illustrate portions of the joystick for medical device that form no part of the claimed design.

1 Claim, 15 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D478,385	S	*	8/2003	Dirks	.....	D24/215
D478,986	S	*	8/2003	Johnston	.....	D24/146
D495,413	S	*	8/2004	Perry	.....	D24/108
D508,227	S	*	8/2005	Rick	.....	D12/317
D508,964	S	*	8/2005	Golliher	.....	D21/566
D510,310	S	*	10/2005	Rick	.....	D12/317
D510,559	S	*	10/2005	Rick	.....	D12/317
D526,709	S	*	8/2006	Engelen	.....	D23/360
D536,153	S	*	1/2007	Niebuhr	.....	D14/415
D536,444	S	*	2/2007	Bacher	.....	D24/133
D536,445	S	*	2/2007	Bacher	.....	D24/133
D536,785	S	*	2/2007	Bacher	.....	D24/133
D548,843	S	*	8/2007	Kertz	.....	D24/188
D559,749	S	*	1/2008	Barbieri	.....	D12/179
D566,132	S	*	4/2008	Mack	.....	D15/28
D568,796	S	*	5/2008	Oliver	.....	D12/179
D577,359	S	*	9/2008	Cigarini	.....	D14/416
D579,833	S	*	11/2008	Acenbrak	.....	D12/179
D584,312	S	*	1/2009	Bishop	.....	D21/333
D589,515	S	*	3/2009	Brunner	.....	D14/412
D607,515	S	*	1/2010	Oikawa	.....	D21/333
D611,477	S	*	3/2010	Brunner	.....	D14/412
D617,240	S	*	6/2010	Rosenbohm	.....	D12/179
D619,583	S	*	7/2010	Wintour	.....	D14/426
D627,066	S	*	11/2010	Romero	.....	D24/133
D633,111	S	*	2/2011	Muraoka	.....	D15/28
D635,155	S	*	3/2011	Blind	.....	D15/28
D636,306	S	*	4/2011	Pohanka	.....	D12/179
D636,872	S	*	4/2011	Marescaux	.....	D24/133
D640,258	S	*	6/2011	Hobenshield	.....	D21/333
D640,789	S	*	6/2011	Peine	.....	D24/133
D645,046	S	*	9/2011	Hobenshield	.....	D21/333
D650,073	S	*	12/2011	Pedersen	.....	D24/133
D658,759	S	*	5/2012	Marescaux	.....	D24/133
D660,448	S	*	5/2012	Lum	.....	D24/209
D671,565	S	*	11/2012	Kinoshita	.....	D15/28
D678,283	S	*	3/2013	Olson	.....	D14/412
D681,810	S	*	5/2013	DeCarlo	.....	D24/144
D686,622	S	*	7/2013	Rey	.....	D15/28
D698,357	S	*	1/2014	Mainville	.....	D12/174
D698,358	S	*	1/2014	Beams	.....	D14/412
D698,921	S	*	2/2014	Koennecke	.....	D24/138
D704,189	S	*	5/2014	Rey	.....	D15/28
D706,980	S	*	6/2014	Tasar	.....	D24/209
D710,662	S	*	8/2014	Kawase	.....	D8/8
D720,350	S	*	12/2014	Haubrich	.....	D14/415
D721,308	S	*	1/2015	Kakinuma	.....	D12/179
D722,383	S	*	2/2015	Cole	.....	D24/200
D723,033	S	*	2/2015	Hoock	.....	D14/412
D727,904	S	*	4/2015	Jensen	.....	D14/415
D731,487	S	*	6/2015	Matloff	.....	D14/412
D734,335	S	*	7/2015	Jensen	.....	D14/415
D734,750	S	*	7/2015	Jensen	.....	D14/415
D741,863	S	*	10/2015	Hoock	.....	D14/413
D743,324	S	*	11/2015	Deng	.....	D12/400
D744,917	S	*	12/2015	Persson	.....	D12/179
D745,009	S	*	12/2015	Jensen	.....	D14/415
D753,660	S	*	4/2016	Zhou	.....	D14/428
D759,731	S	*	6/2016	Roemer	.....	D15/28
D765,079	S	*	8/2016	Hoock	.....	D14/412
D768,728	S	*	10/2016	Okuyama	.....	D15/28
D786,944	S	*	5/2017	Okuyama	.....	D15/28
D790,059	S	*	6/2017	Osada	.....	D24/138
D790,295	S	*	6/2017	Tinius	.....	D8/1
D793,186	S	*	8/2017	Tinius	.....	D8/1
D799,036	S	*	10/2017	Osada	.....	D24/138
D799,038	S	*	10/2017	Chang	.....	D24/146
D809,139	S	*	1/2018	Marsot	.....	D24/145
D813,203	S	*	3/2018	Hardi	.....	D14/218
9,980,736	B2	*	5/2018	Chung	.....	A61B 17/1622
D820,972	S	*	6/2018	Klever	.....	D24/108
D826,234	S	*	8/2018	Zhou	.....	D14/428
D831,905	S	*	10/2018	Benacquisto	.....	D30/158
D835,845	S	*	12/2018	Graves	.....	D28/51
D840,547	S	*	2/2019	Harle	.....	D24/214
D844,608	S	*	4/2019	Chen	.....	D21/333
D852,357	S	*	6/2019	Osada	.....	D24/138
D860,441	S	*	9/2019	Spycher	.....	D24/133
D862,817	S	*	10/2019	Baxter	.....	D32/34
D863,446	S	*	10/2019	Bristol	.....	D21/333
D866,481	S	*	11/2019	DeCosta	.....	D13/155
D868,669	S	*	12/2019	Kruk	.....	D14/416
D868,670	S	*	12/2019	Kruk	.....	D14/416
D870,294	S	*	12/2019	Bechtel	.....	D24/186
D872,665	S	*	1/2020	Lewis	.....	D12/179
D877,332	S	*	3/2020	Suzuki	.....	D24/138
D884,166	S	*	5/2020	Wang	.....	D24/133
D888,946	S	*	6/2020	Green	.....	A61F 2/966
						D24/133
D897,929	S	*	10/2020	Culp	.....	D12/345
D902,403	S	*	11/2020	Marsot	.....	D24/145
D904,252	S	*	12/2020	Duncan	.....	D12/174
10,863,804	B2	*	12/2020	Shintani	.....	B25G 1/102
D911,521	S	*	2/2021	Swift	.....	D24/135
D922,448	S	*	6/2021	Ritchie	.....	D15/28
D927,955	S	*	8/2021	Kaneko	.....	D12/179
D929,585	S	*	8/2021	Sharp	.....	D24/138

* cited by examiner

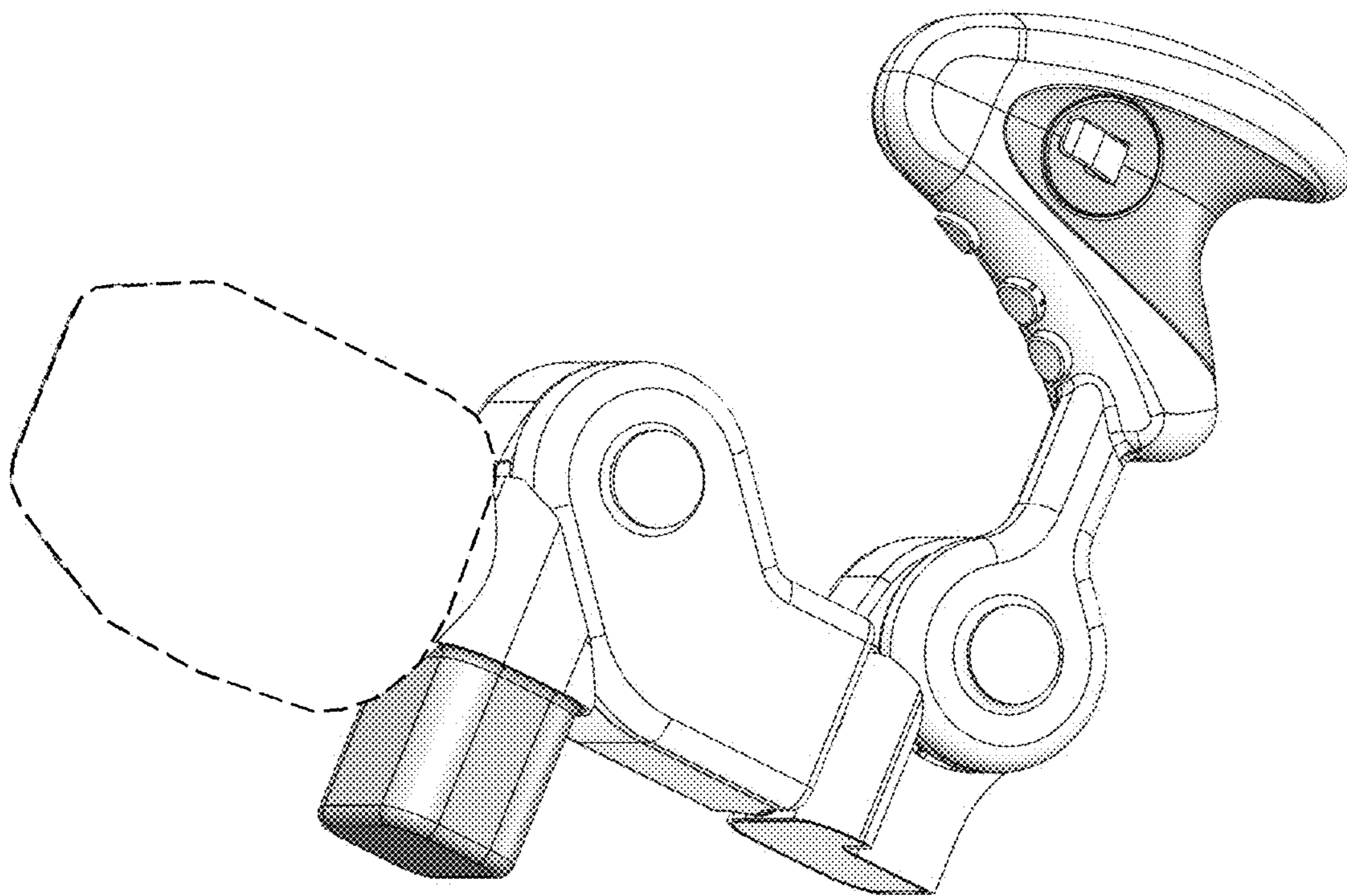


FIG. 1

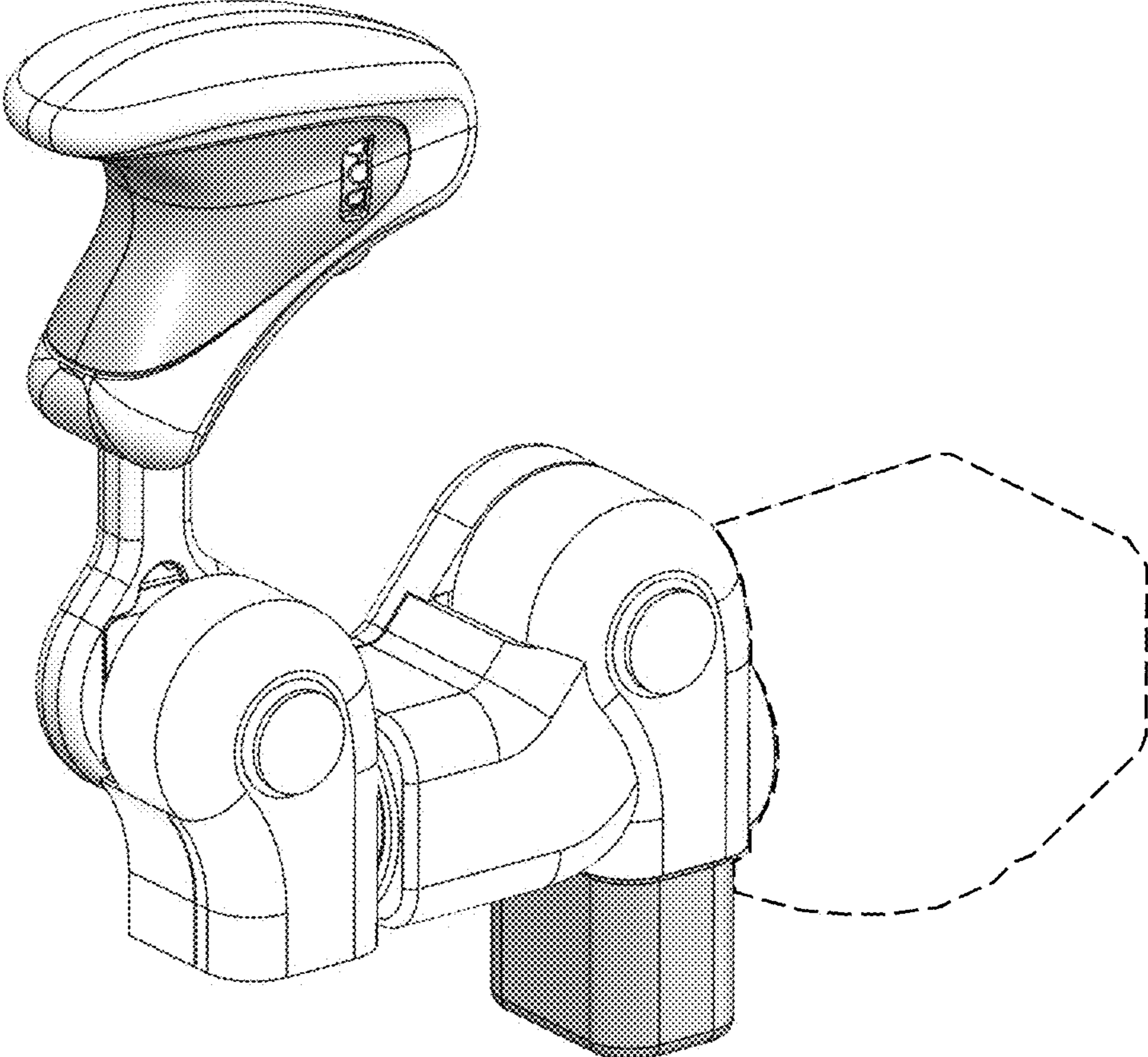


FIG. 2

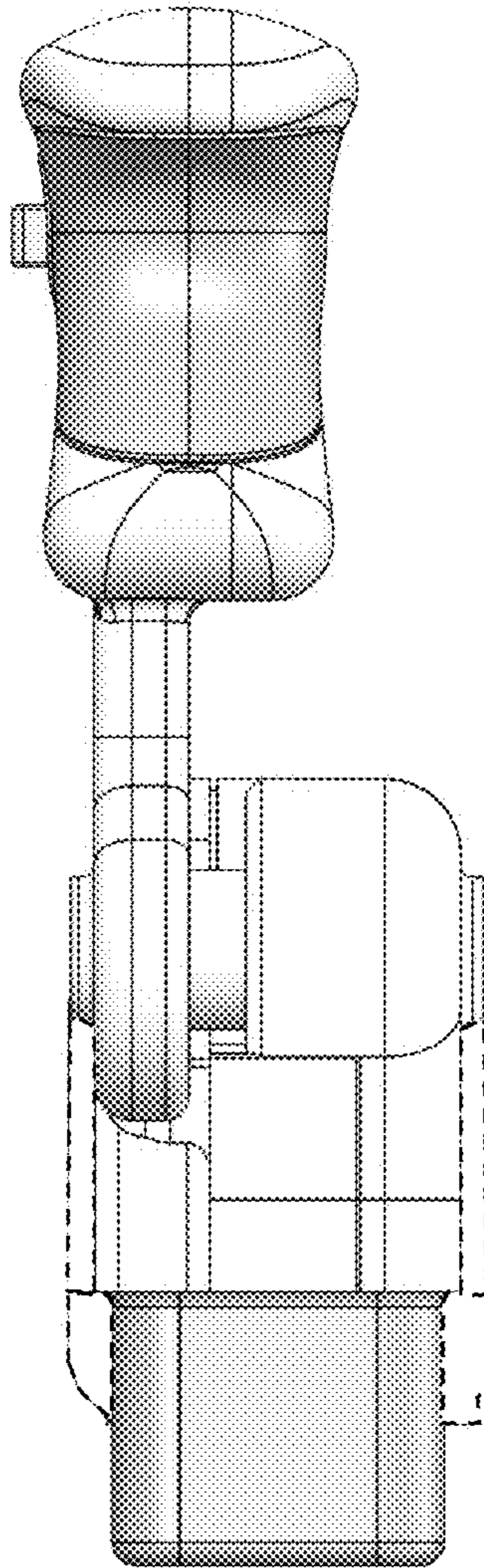


FIG. 3

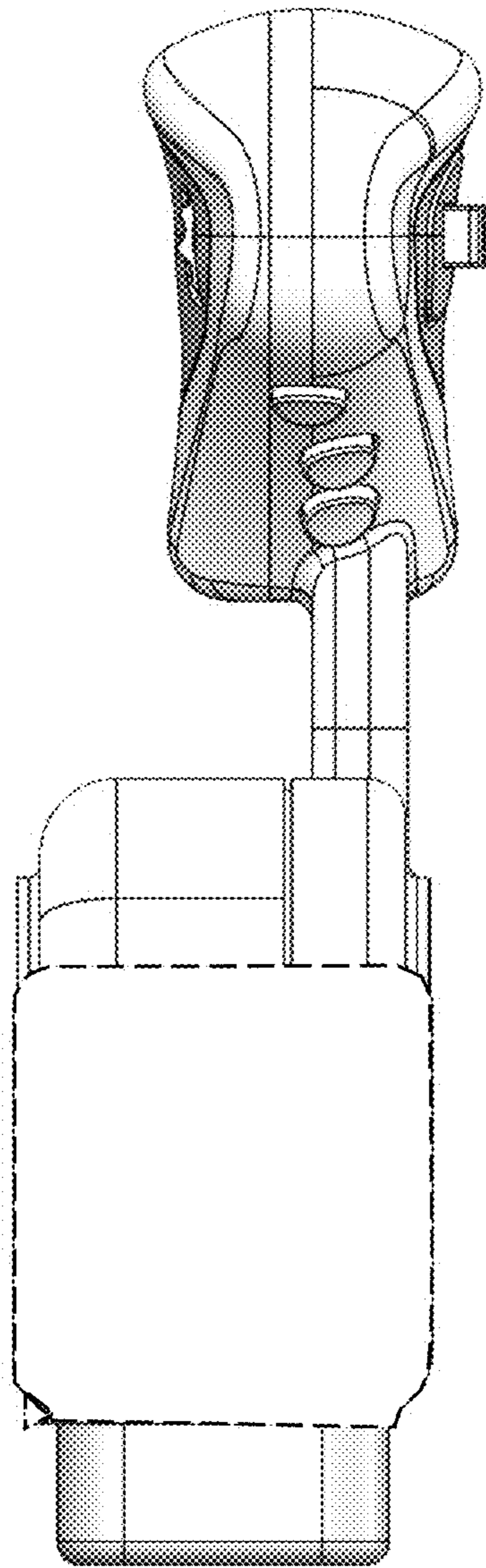


FIG. 4

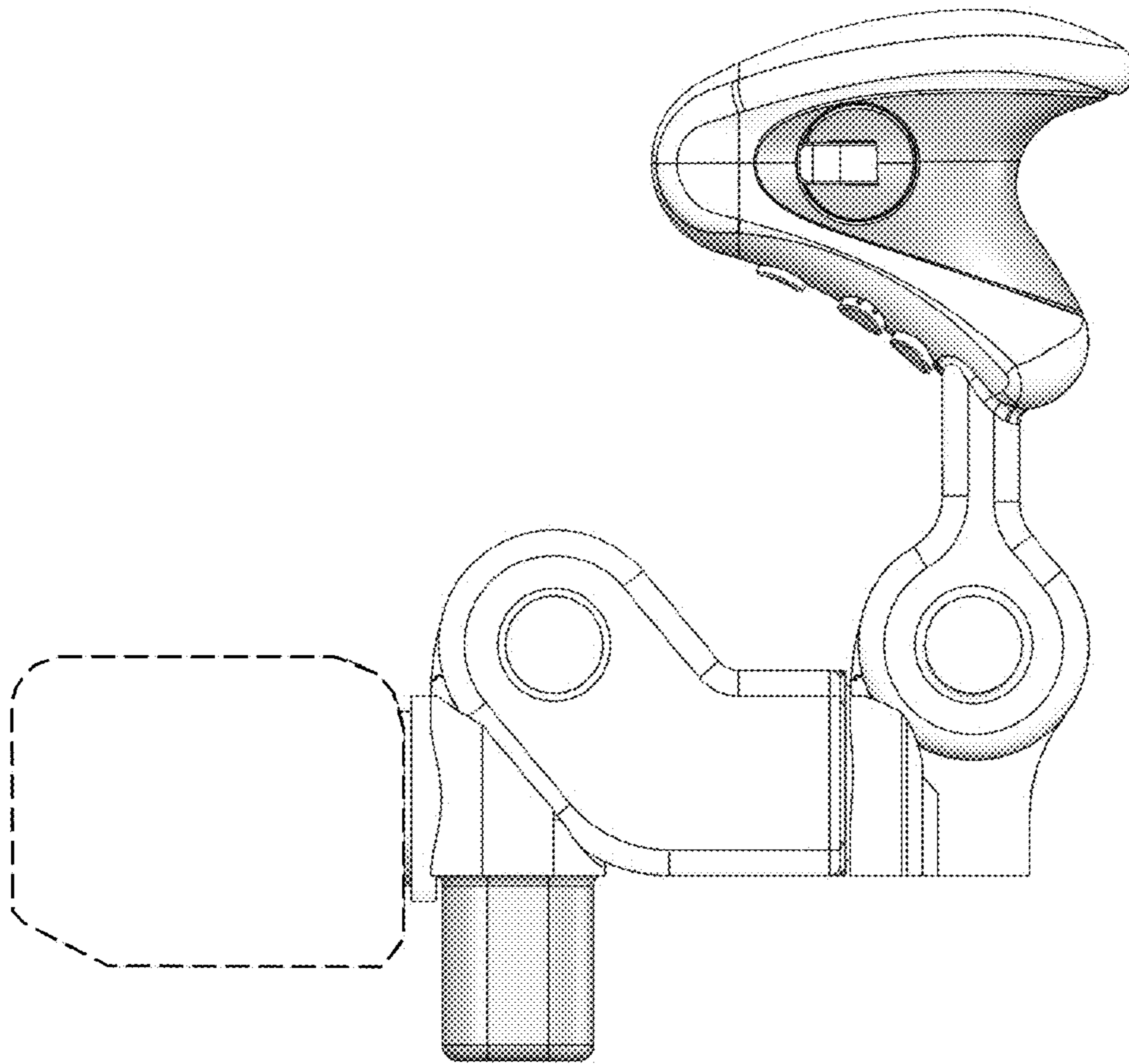


FIG. 5

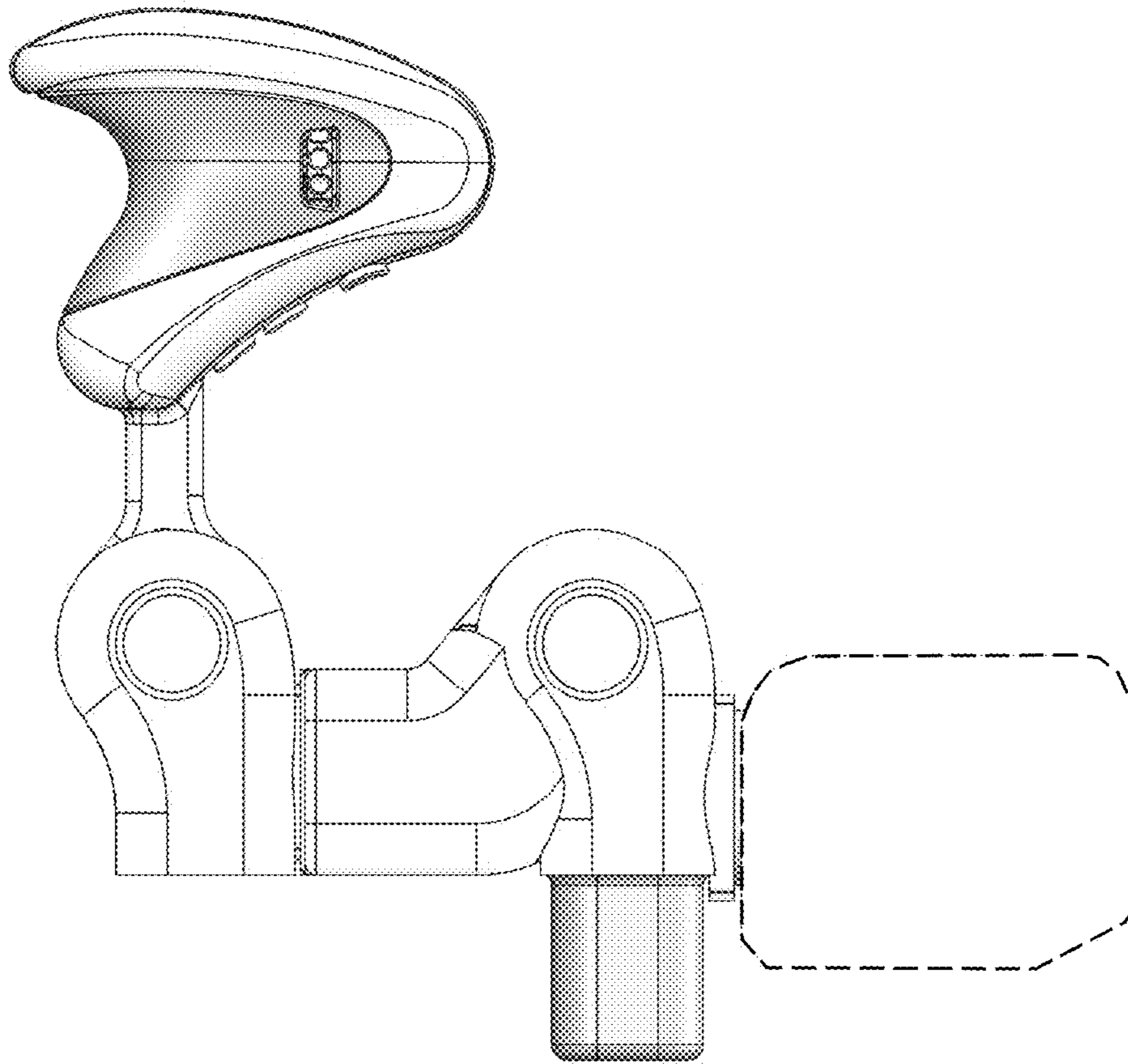


FIG. 6

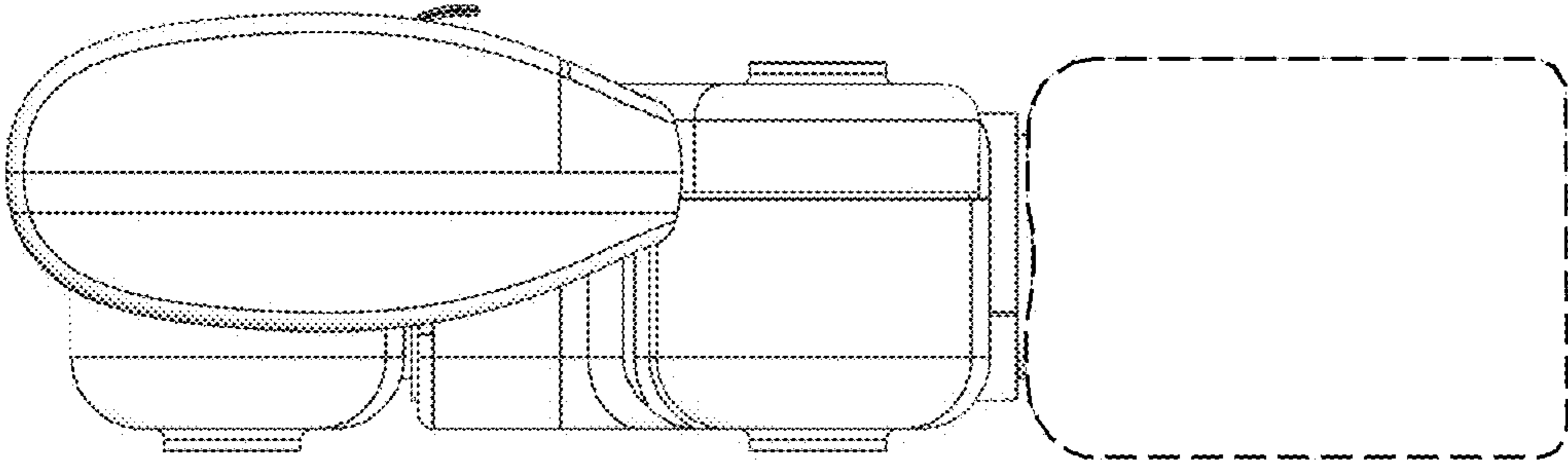


FIG. 7

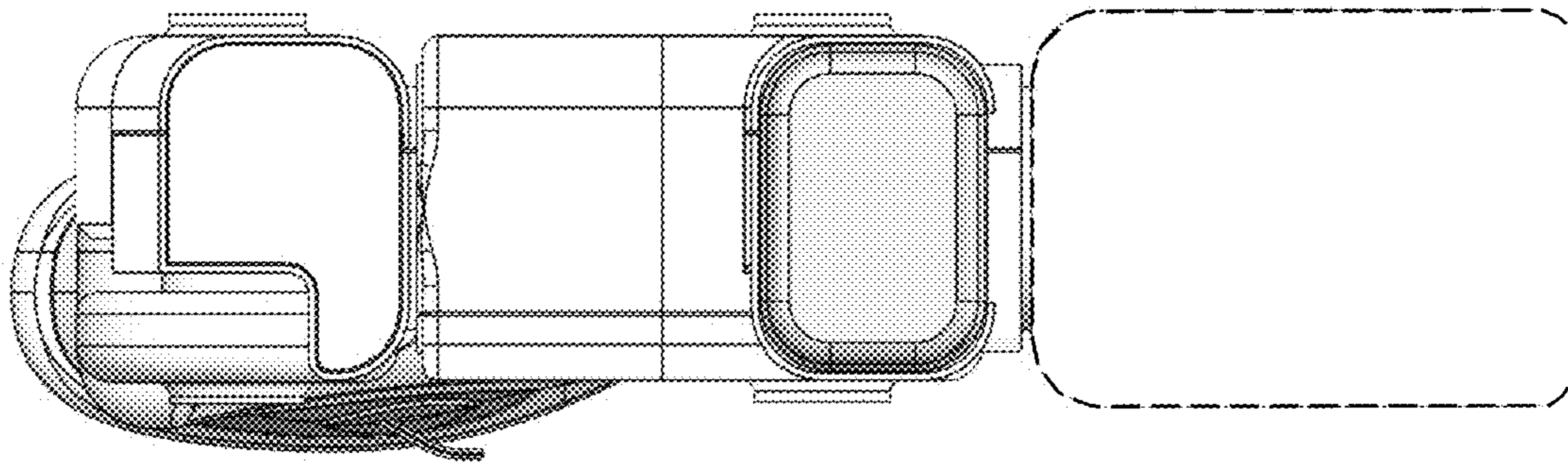


FIG. 8

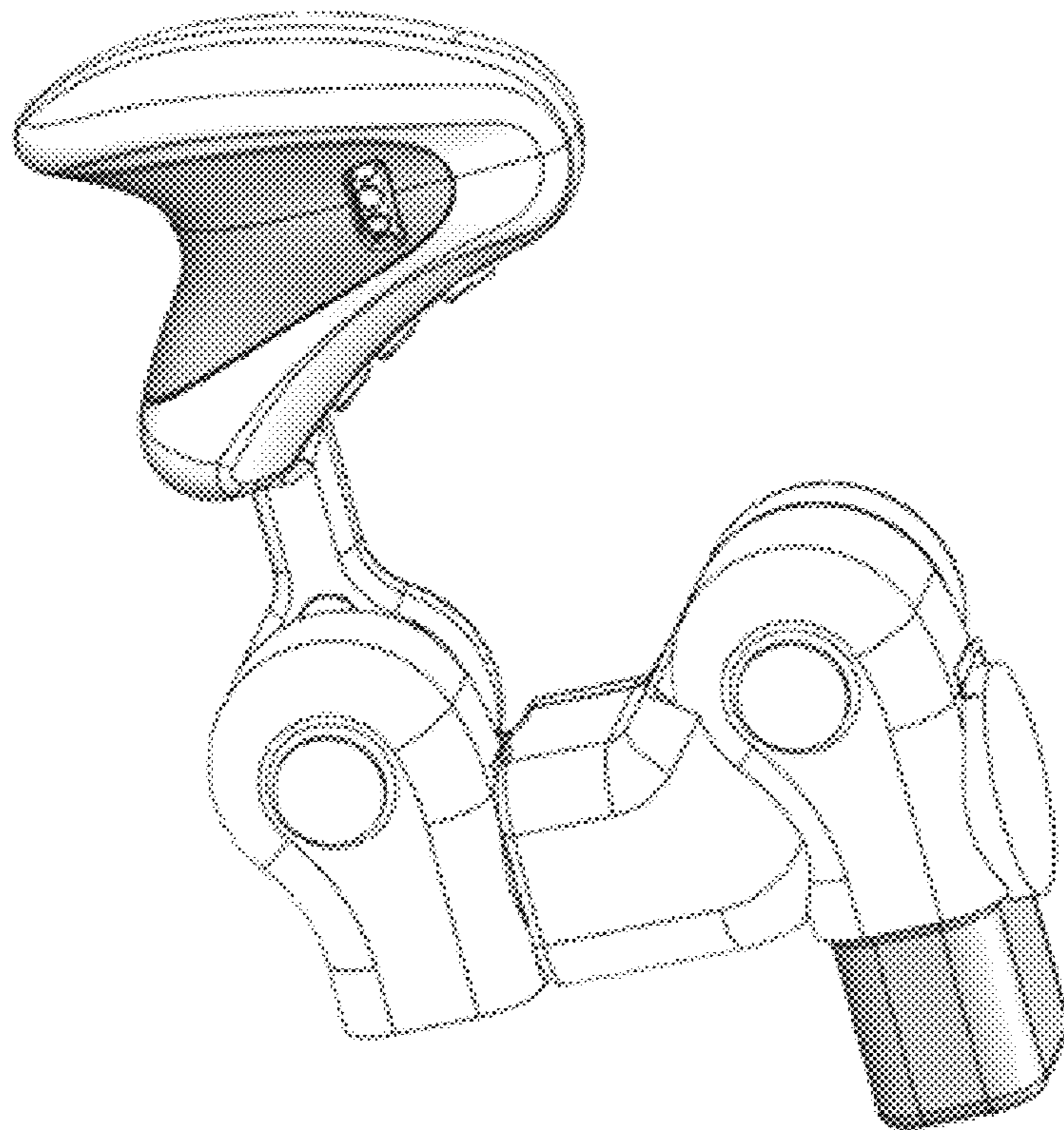


FIG. 9

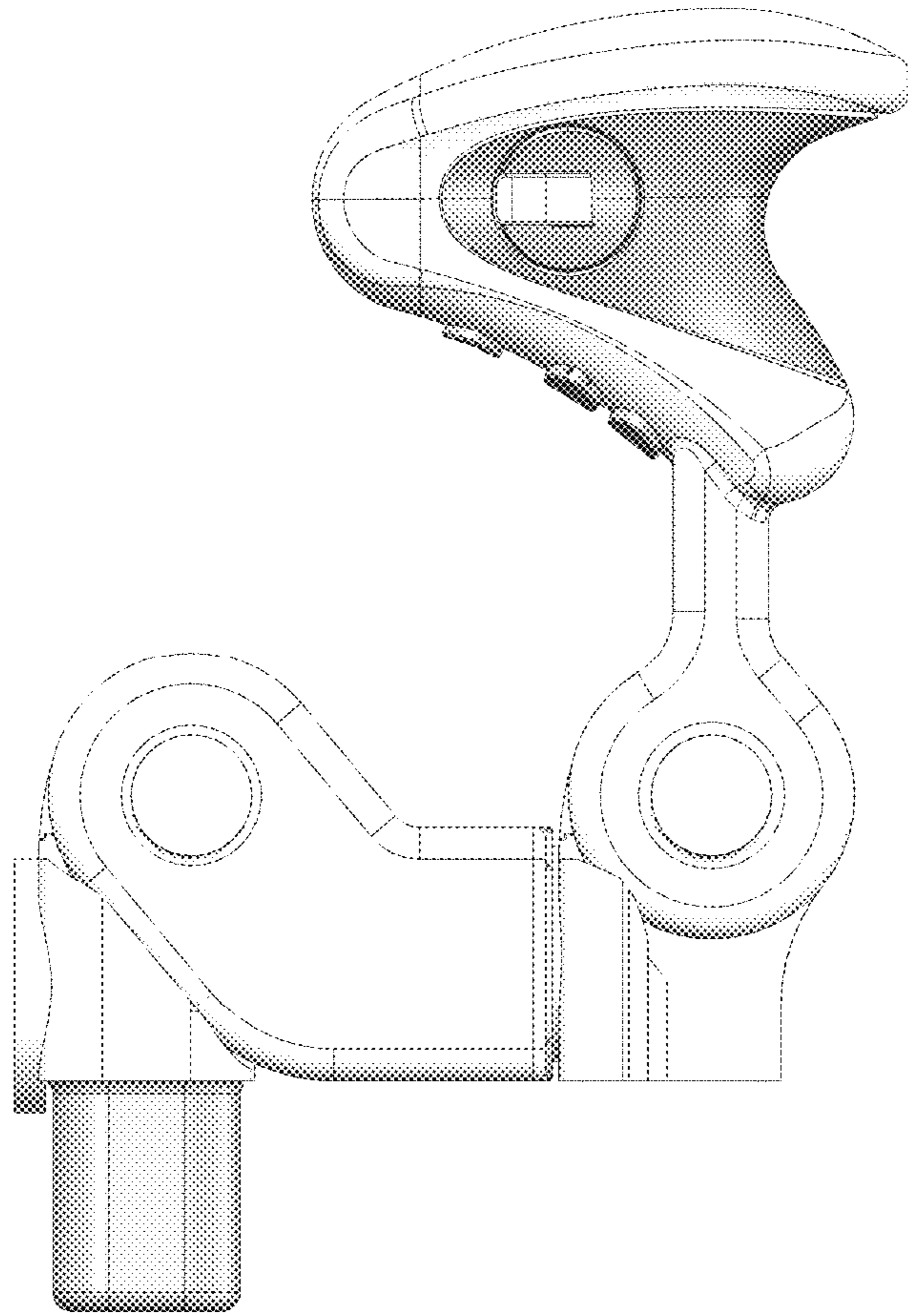


FIG. 10

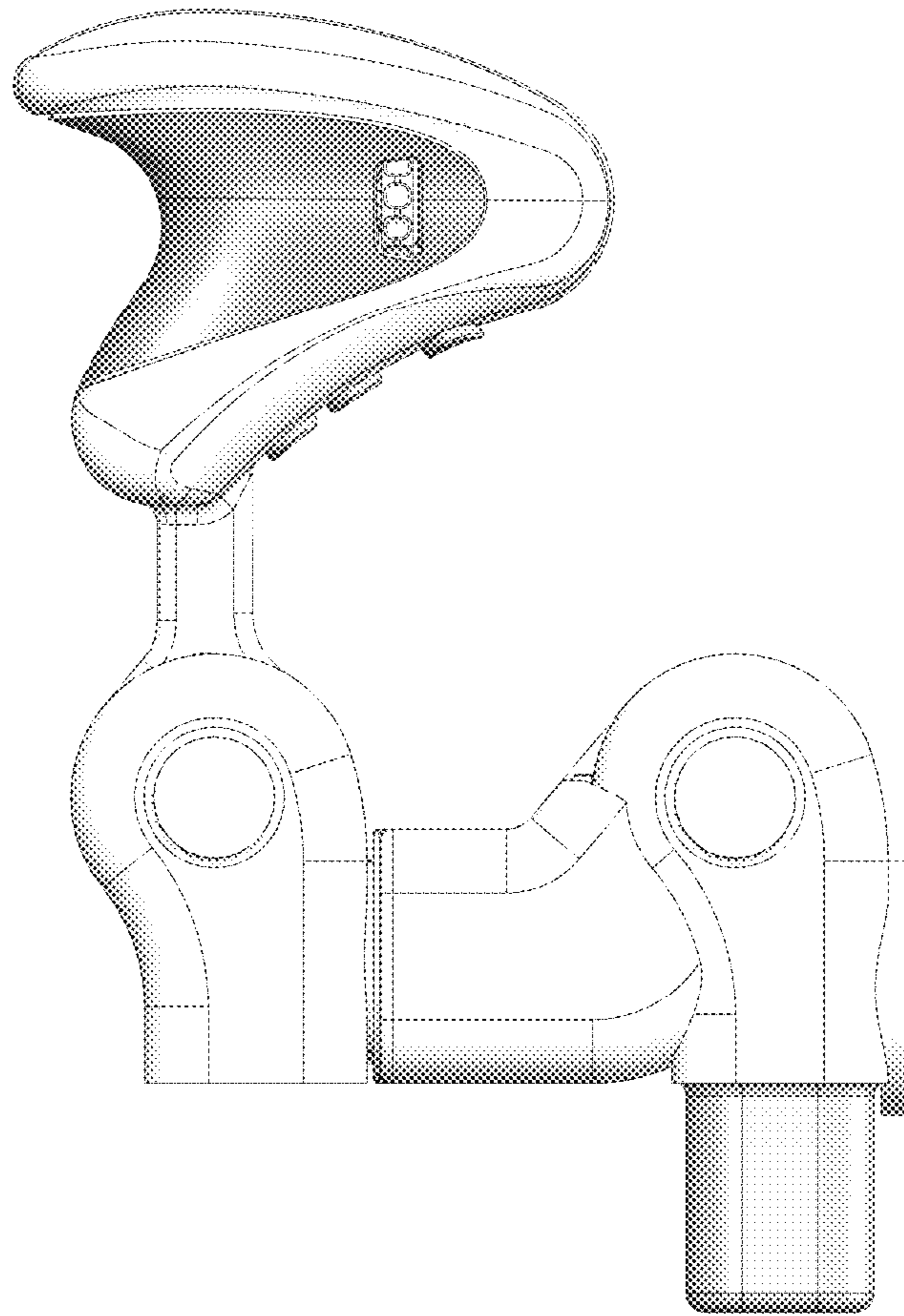


FIG. 11

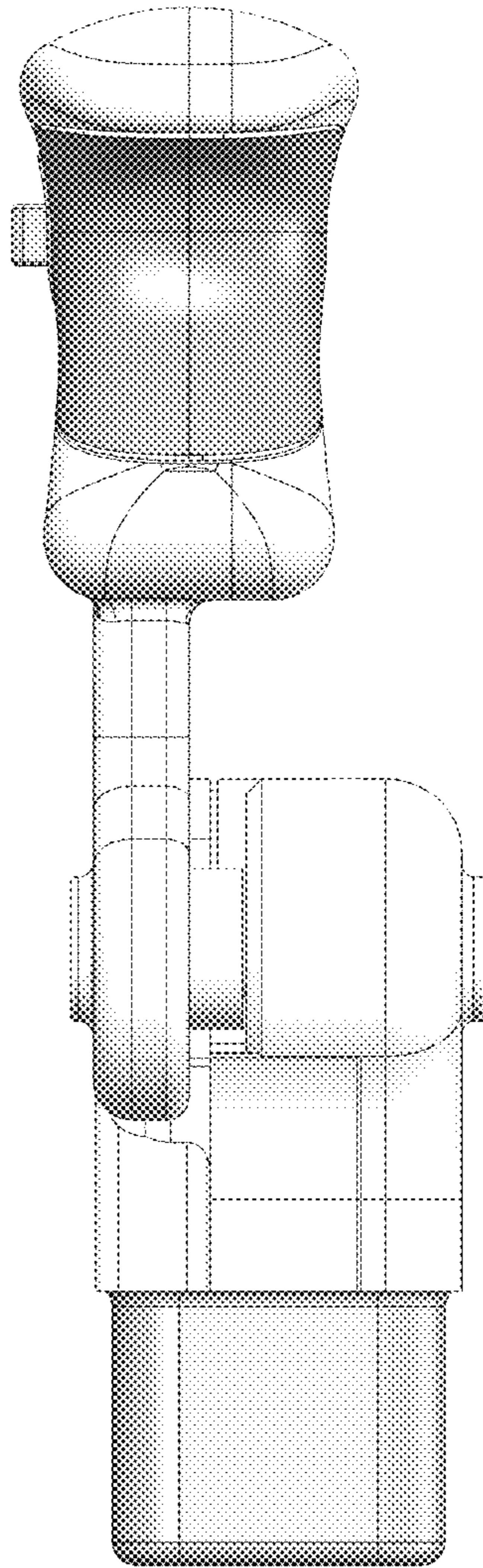


FIG. 12

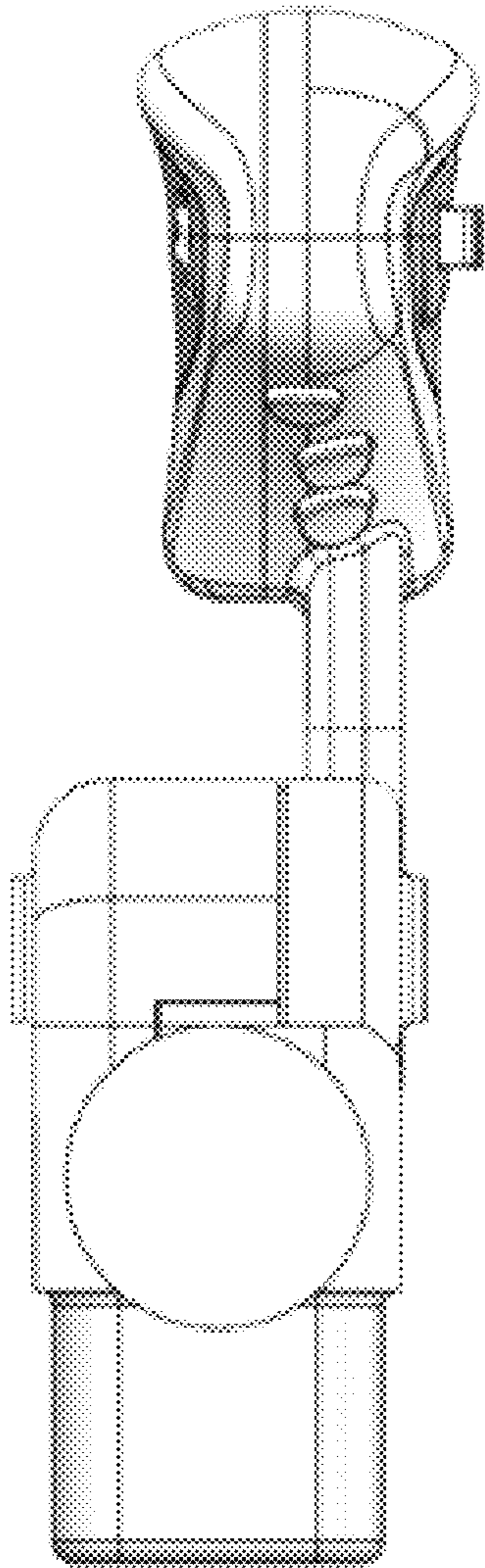


FIG. 13

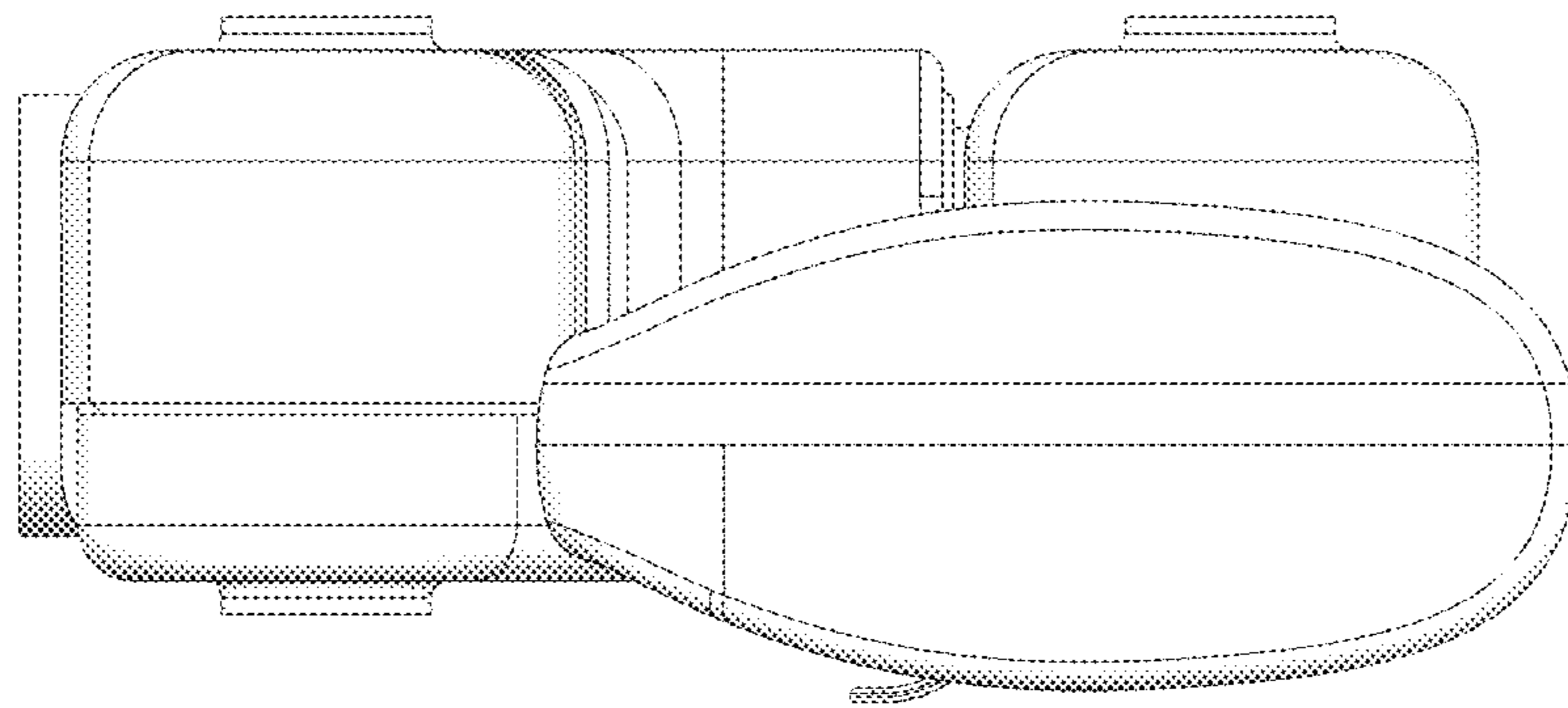


FIG. 14

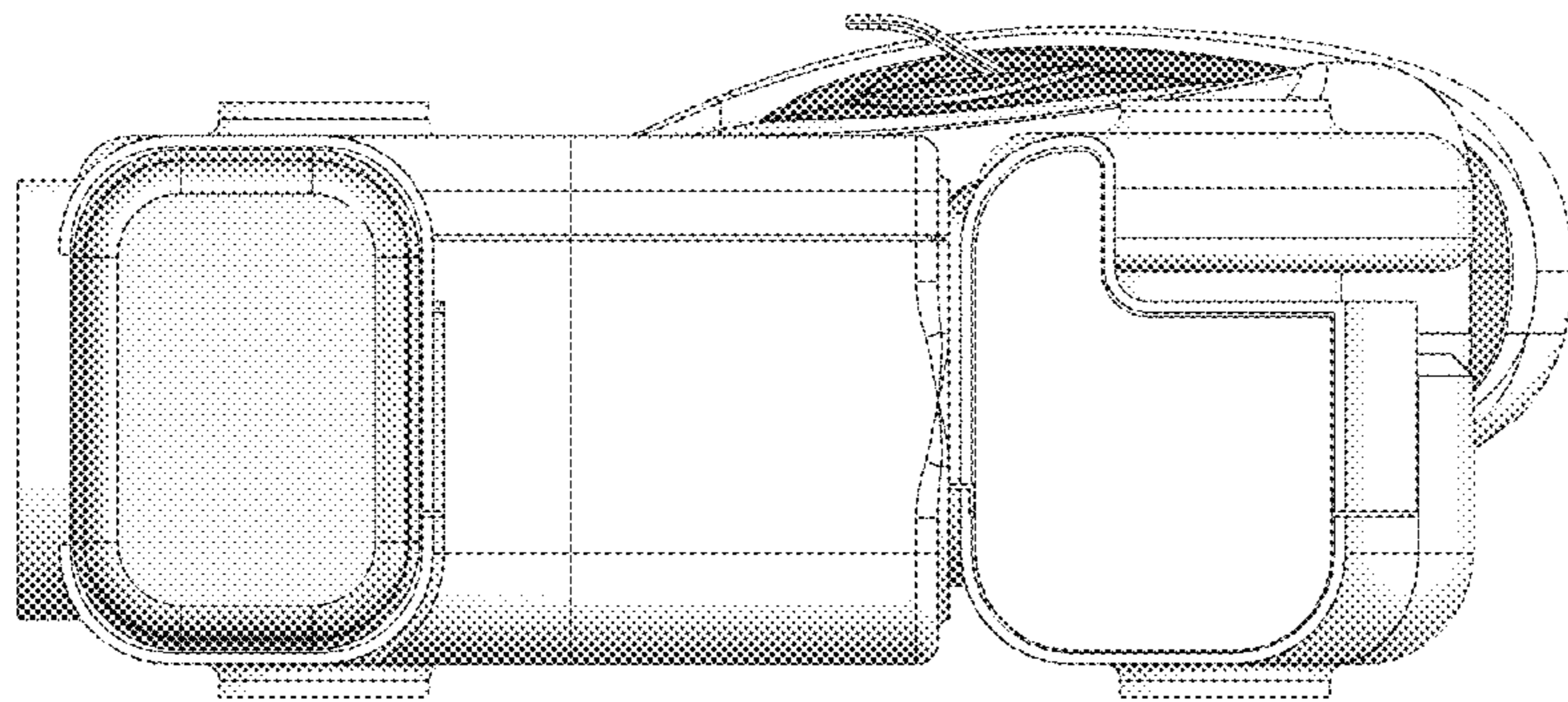


FIG. 15