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

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- (54) **ROBOTIC MOTOR UNIT**
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Elmar Schlereth, Munich (DE)
- (73) Assignee: **Brainlab AG**, Munich (DE)
- (**) Term: **15 Years**
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- (30) **Foreign Application Priority Data**

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- (51) **LOC (12) Cl.** **15-99**
- (52) **U.S. Cl.**
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- (58) **Field of Classification Search**
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CPC B25J 9/044; B25J 9/102; G06N 3/004;
G06N 3/008; G06N 5/00; H01L
21/68707; H01L 21/67748; H01L
21/67766; H01L 21/67778; Y10S 901/17
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D440,241 S *	4/2001	Kawahara	.....	D15/199
D502,477 S *	3/2005	Beadle	.....	D15/143
D579,881 S *	11/2008	Aromin	.....	D13/160
D613,781 S *	4/2010	Liu	.....	D15/199
D624,104 S *	9/2010	Miyake	.....	15/99
D650,820 S *	12/2011	Long	.....	D15/199
D652,801 S *	1/2012	Zou	.....	D13/139.8
D677,294 S *	3/2013	Long	.....	D15/199
D678,378 S *	3/2013	Selic	.....	D15/199

8,537,346 B2 *	9/2013	Nakagiri	.....	B25J 9/1692 356/139.07
D755,268 S *	5/2016	Parrot	.....	D15/140
9,346,175 B2 *	5/2016	Krumbacher	.....	B25J 18/06
D765,041 S *	8/2016	Yu	.....	D13/160
9,405,288 B2 *	8/2016	Ogata	.....	B25J 9/1694
D766,348 S *	9/2016	Long	.....	D15/199
D769,343 S *	10/2016	Bordegnoni	.....	D15/199
D793,964 S *	8/2017	Aromin	.....	D13/160
D819,572 S *	6/2018	Ye	.....	D13/138.2
2008/0016979 A1 *	1/2008	Yasumura	.....	B25J 9/0009 74/490.03
2011/0107867 A1 *	5/2011	Long	.....	B25J 9/103 74/490.05
2011/0113917 A1 *	5/2011	Long	B25J 9/102 74/490.03
2011/0290059 A1 *	12/2011	Pan	B25J 9/101 74/490.01

(Continued)

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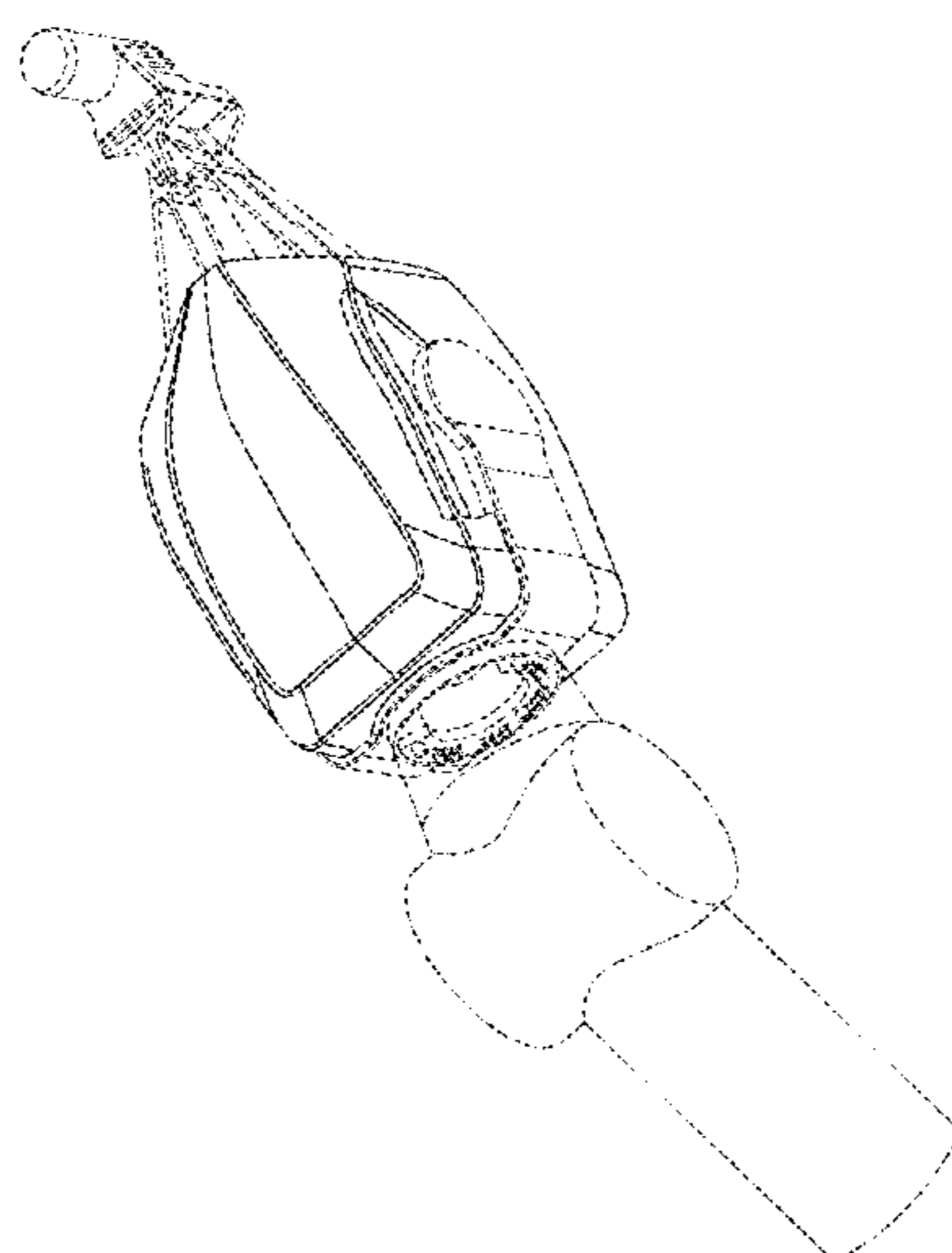
(57) **CLAIM**

The ornamental design for a robotic motor unit, as shown and described.

DESCRIPTION

FIG. 1 is a first side view of an embodiment of a robotic motor unit;
 FIG. 2 is a second side view of the robotic motor unit of FIG. 1;
 FIG. 3 is a third side view of the robotic motor unit of FIG. 1;
 FIG. 4 is an upper perspective view of the robotic motor unit of FIG. 1;
 FIG. 5 is a top view of the robotic motor unit of FIG. 1; and,
 FIG. 6 is a lower perspective view of the robotic motor unit of FIG. 1.
 The broken line disclosure represents unclaimed portions of the robotic motor unit in which the design is embodied.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

2011/0303042 A1* 12/2011 Pan B25J 9/0009
74/490.05
2013/0125691 A1* 5/2013 Wappling B25J 19/0062
74/467
2013/0305866 A1* 11/2013 Krumbacher B25J 18/06
74/490.03
2014/0102240 A1* 4/2014 Inada B25J 17/0283
74/490.02
2015/0246449 A1* 9/2015 Sakai B25J 19/0025
74/490.02

* cited by examiner

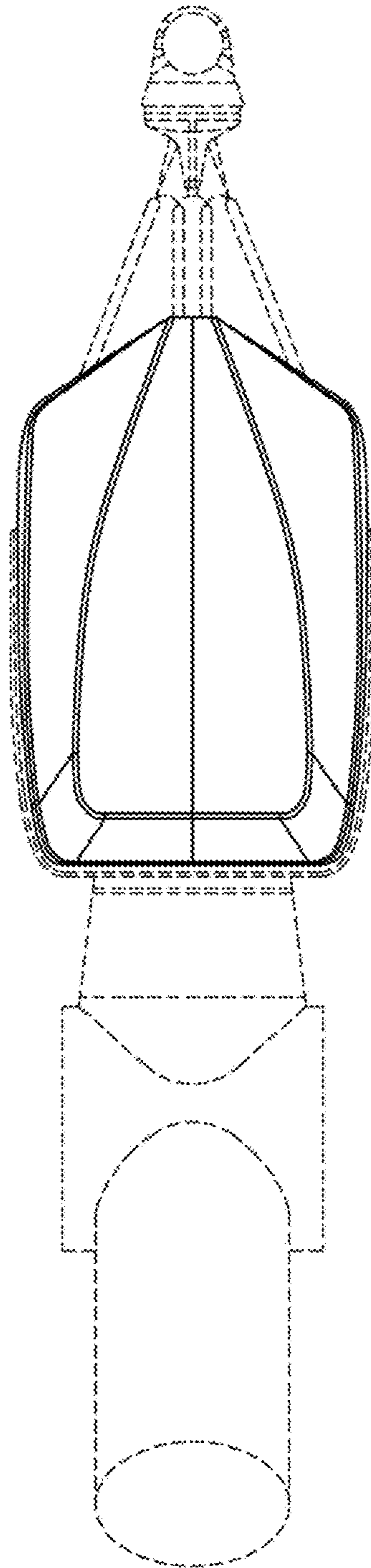


FIG. 1

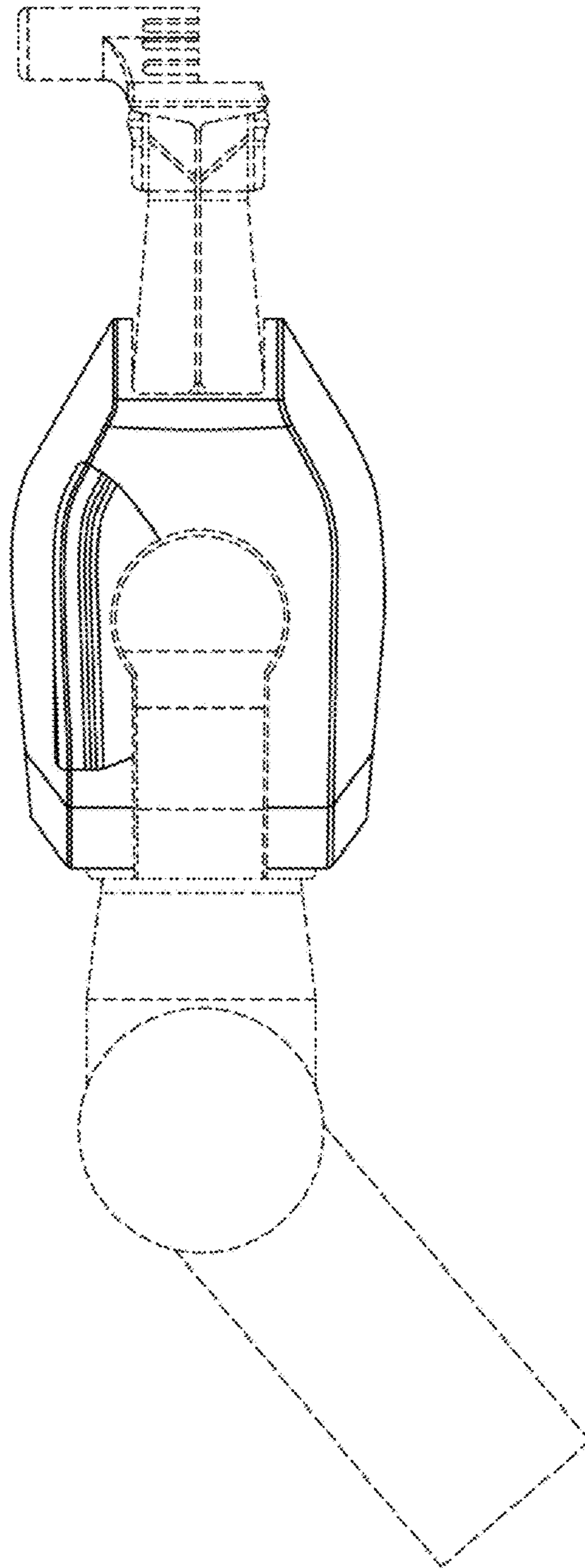


FIG. 2

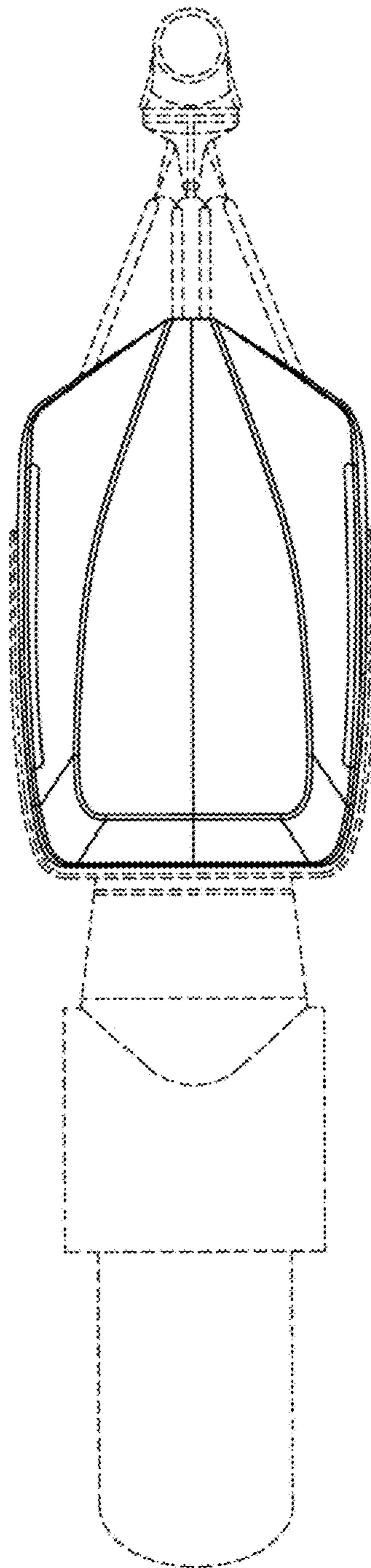


FIG. 3

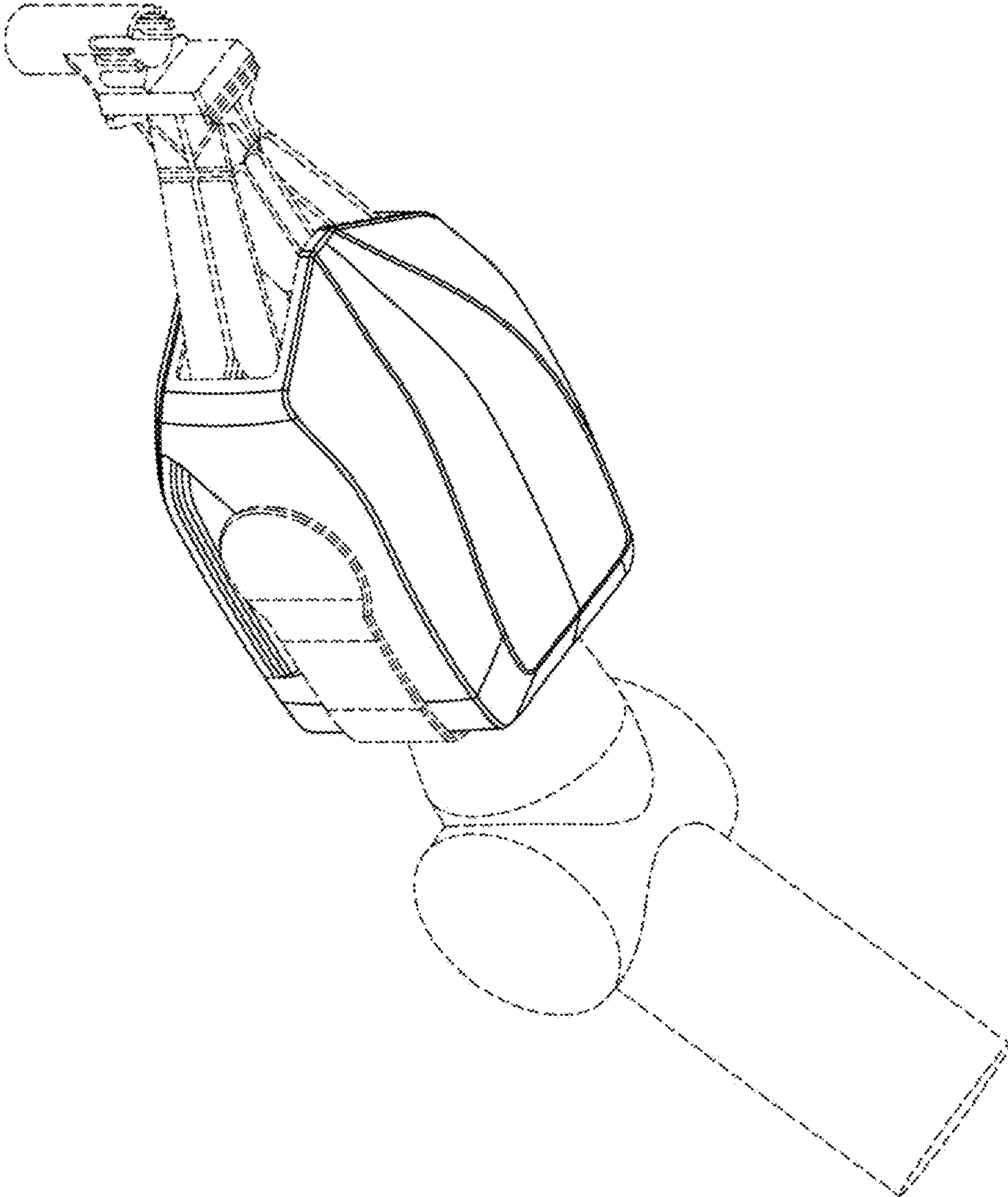


FIG. 4

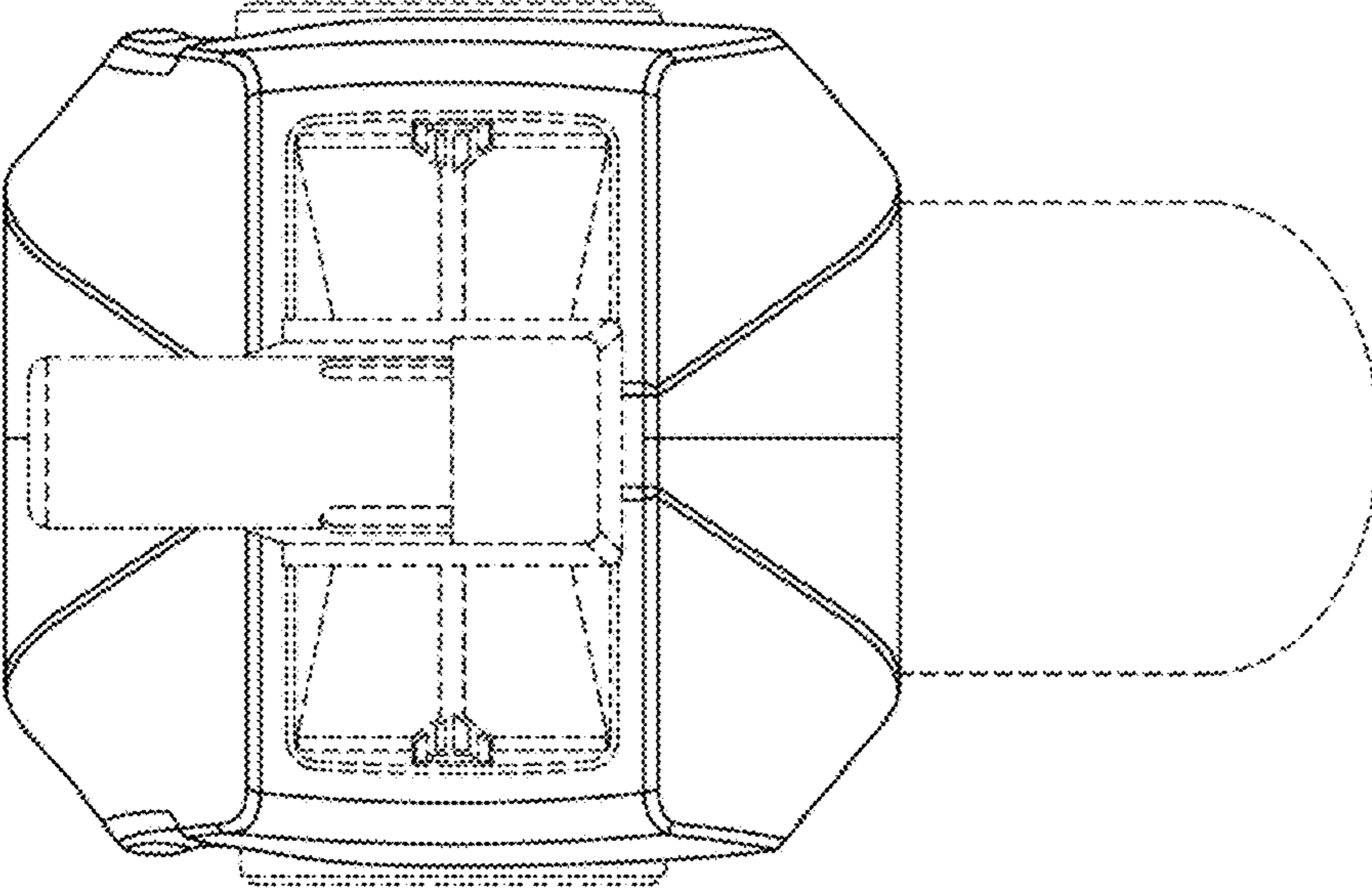


FIG. 5

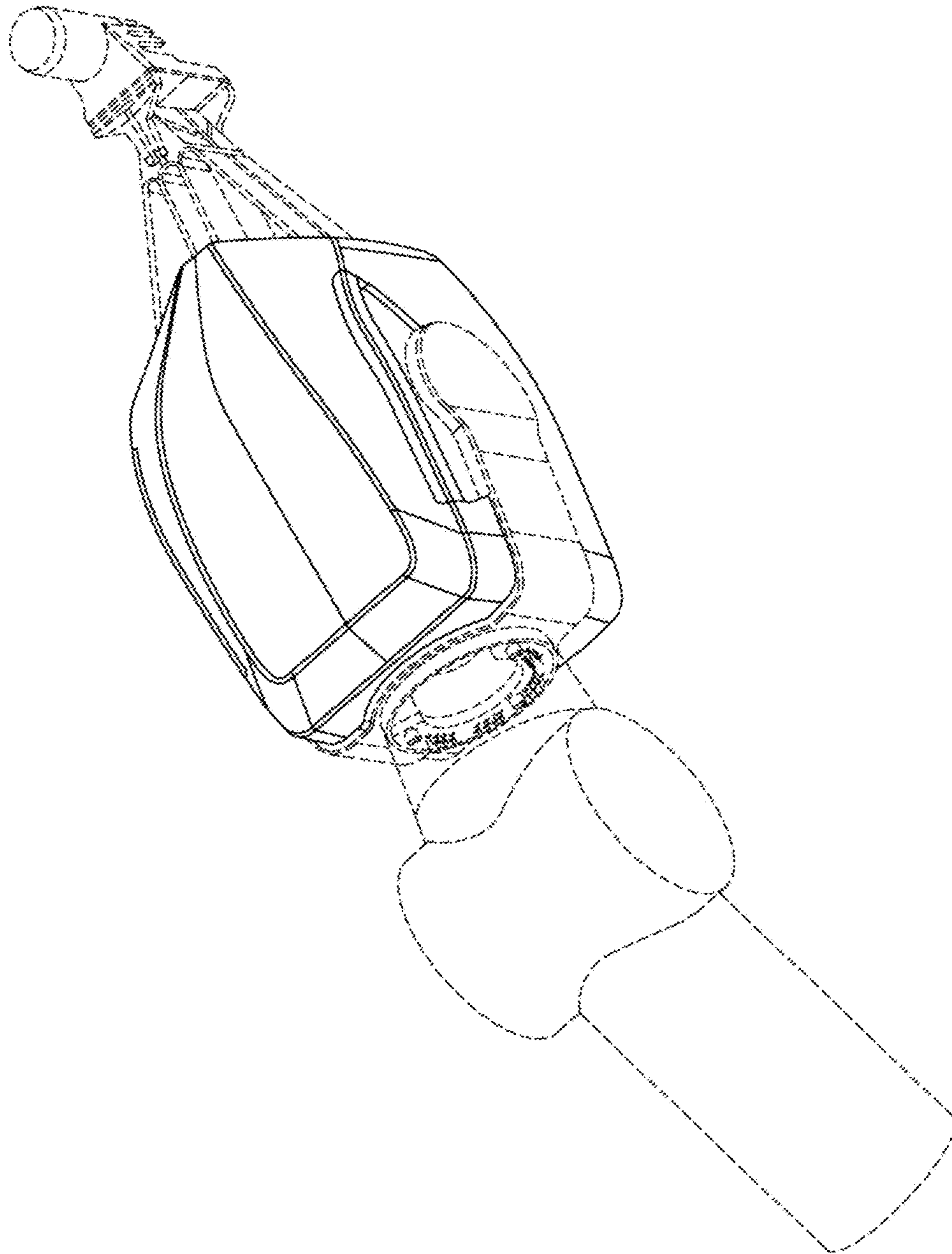


FIG. 6