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

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(54) **SIX-AXIS ROBOTIC ARM**
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(**) Term: **15 Years**

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(51) **LOC (13) Cl.** **15-99**

(52) **U.S. Cl.**
USPC **D15/199**

(58) **Field of Classification Search**
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D34/34
CPC B25J 9/046; B25J 9/042; B25J 9/06; H01L
21/67766
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D267,883 S *	2/1983	Susnjara	.....	D15/122
D269,681 S *	7/1983	Morser	.....	D15/122
D279,572 S *	7/1985	Yasuoka	.....	D15/122
D287,368 S *	12/1986	Shibayama	.....	D15/122
D293,449 S *	12/1987	Kaufmann	.....	D15/122
D296,790 S *	7/1988	Tsuburaya	.....	D15/122
D300,935 S *	5/1989	Maddock	.....	D15/122
D307,282 S *	4/1990	Suica	.....	D15/199

D334,581 S *	4/1993	Yoshikawa	.....	D15/199
D344,279 S *	2/1994	Koyama	.....	D15/199
D344,280 S *	2/1994	Koyama	.....	D15/199
D410,477 S *	6/1999	Nihei	.....	D15/199
D440,241 S *	4/2001	Kawahara	.....	D15/199
D443,287 S *	6/2001	Kawahara	.....	D15/199
D444,488 S *	7/2001	Selic	.....	D15/199
D449,057 S *	10/2001	Selic	.....	D15/199
D615,574 S *	5/2010	Liu	.....	D15/199
D616,477 S *	5/2010	Long	.....	D15/199
D616,909 S *	6/2010	Long	.....	D15/199
D624,104 S *	9/2010	Miyake	D15/199
7,810,765 B2 *	10/2010	Burlot	H02G 3/0481 248/75
D629,030 S *	12/2010	Long	D15/199

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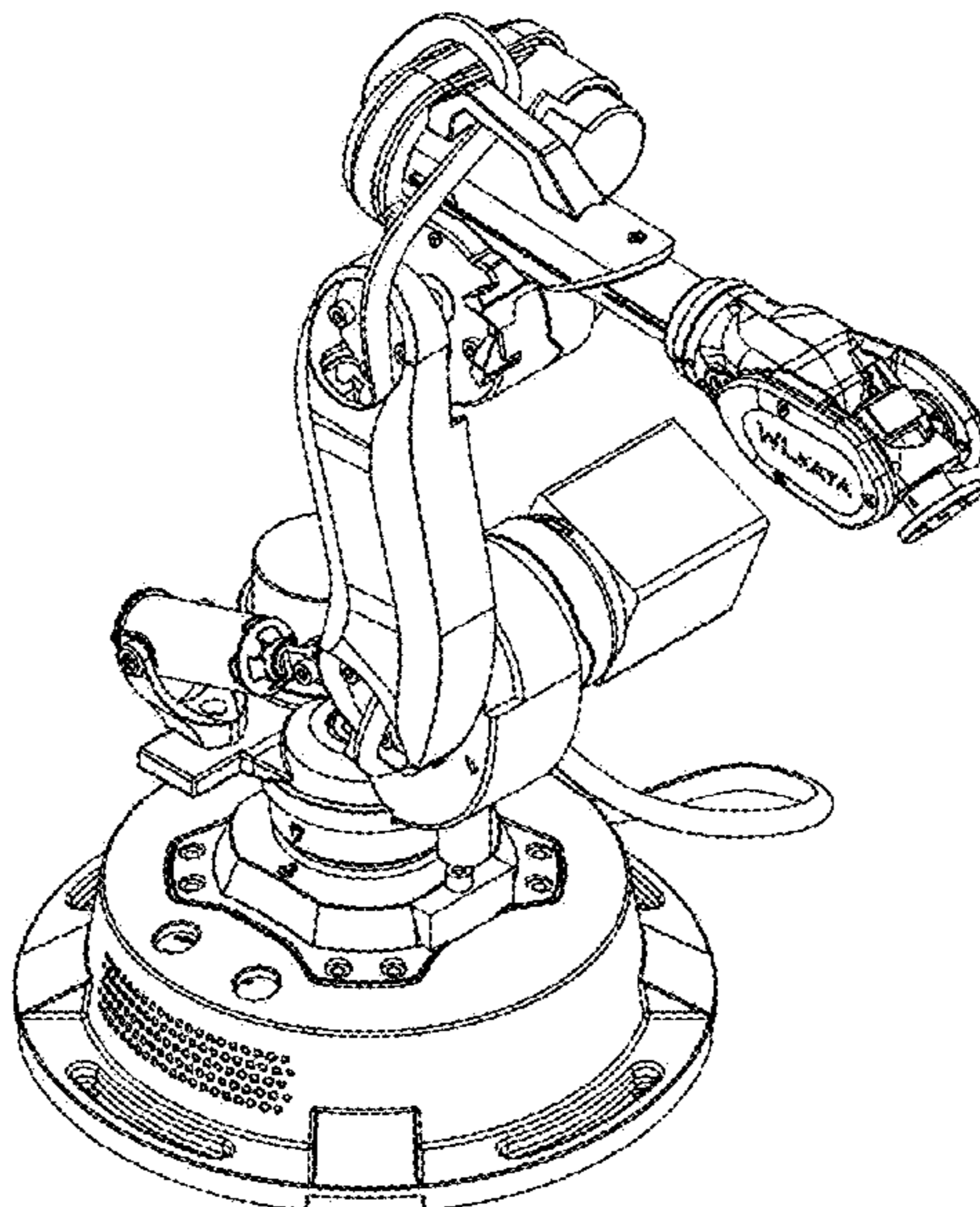
(57) **CLAIM**

The ornamental design for a six-axis robotic arm, as shown
and described.

DESCRIPTION

FIG. 1 is a perspective view of a six-axis robotic arm,
showing our new design;
FIG. 2 is an alternative perspective view thereof;
FIG. 3 is an alternative perspective view thereof;
FIG. 4 is an alternative perspective view thereof;
FIG. 5 is an alternative perspective view thereof;
FIG. 6 is an alternative perspective view thereof;
FIG. 7 is a front elevation view thereof;
FIG. 8 is a rear elevation view thereof;
FIG. 9 is a side elevation view thereof;
FIG. 10 is an opposite side elevation view thereof;
FIG. 11 is a top plan view thereof; and,
FIG. 12 is a bottom plan view thereof.
The broken lines illustrate portions of the six-axis robotic
arm that form no part of the claimed design.

1 Claim, 12 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D636,803 S * 4/2011 Nakagiri D15/199
D650,820 S * 12/2011 Long D15/199
D651,627 S * 1/2012 Long D15/199
D678,378 S * 3/2013 Selic D15/199
D681,708 S * 5/2013 Miyake D15/199
8,434,387 B2 * 5/2013 Nakagiri B25J 9/104
74/665 R
D690,753 S * 10/2013 Liu D15/199
D707,277 S * 6/2014 Olsson D15/199
D713,436 S * 9/2014 Liu D15/199
D766,348 S * 9/2016 Long D15/199
D769,343 S * 10/2016 Bordegnoni D15/199
D769,954 S * 10/2016 Kinoshita D15/199
D778,971 S * 2/2017 Long D15/199
D802,041 S * 11/2017 He D15/199
D837,294 S * 1/2019 Ciniello D19/59
D841,707 S * 2/2019 Yamamoto D15/199
D852,863 S * 7/2019 Dosho D15/199
D865,828 S * 11/2019 Bogart D15/199
D870,169 S * 12/2019 Dosho D15/199
D877,787 S * 3/2020 Kinoshita D15/199
D881,251 S * 4/2020 Abe D15/199
2005/0092122 A1 * 5/2005 Markert B25J 19/0075
74/490.01
2005/0126327 A1 * 6/2005 Markert B25J 19/0054
74/490.02
2008/0271561 A1 * 11/2008 Ohara B25J 9/0018
74/490.01

* cited by examiner

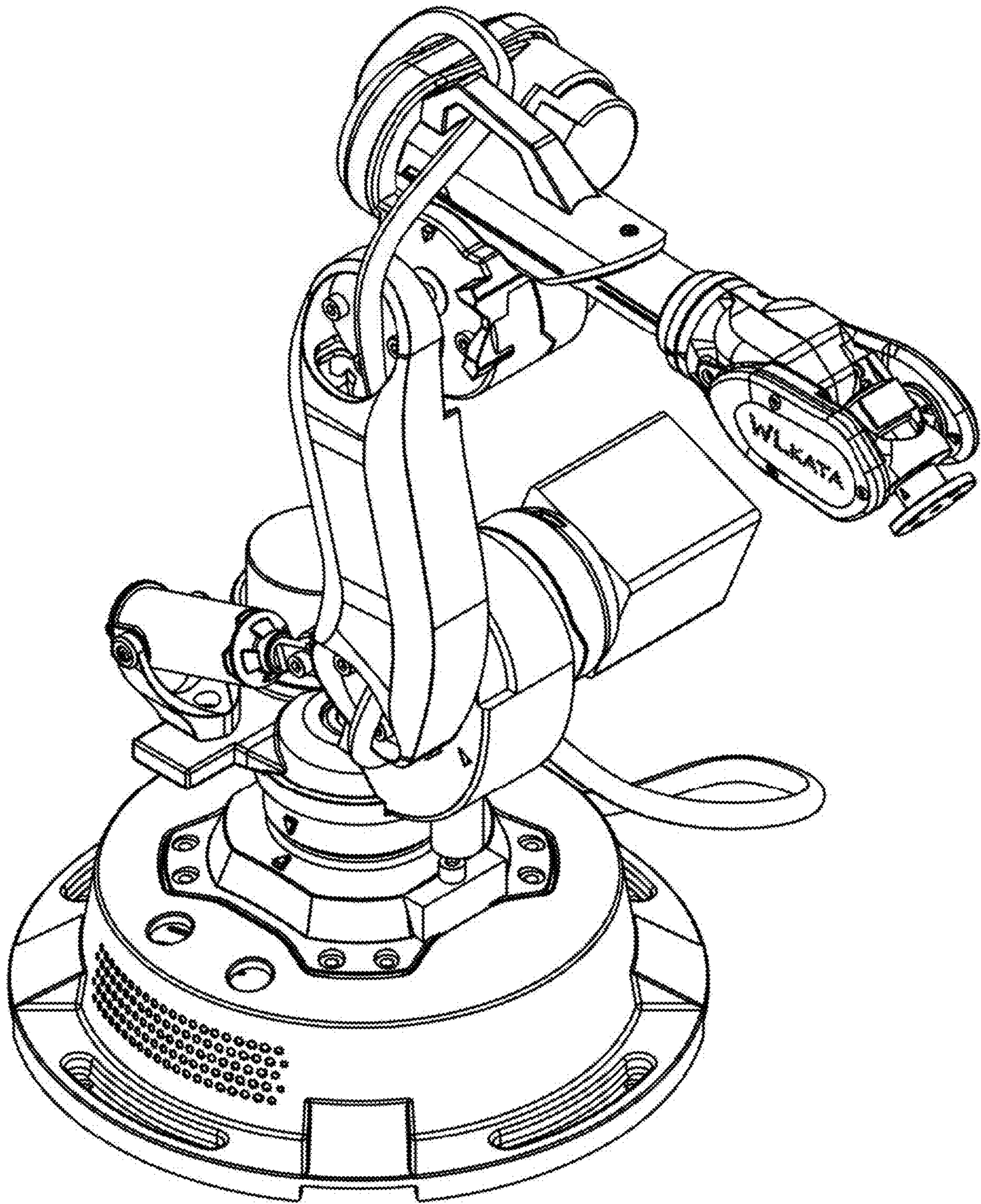


FIG. 1

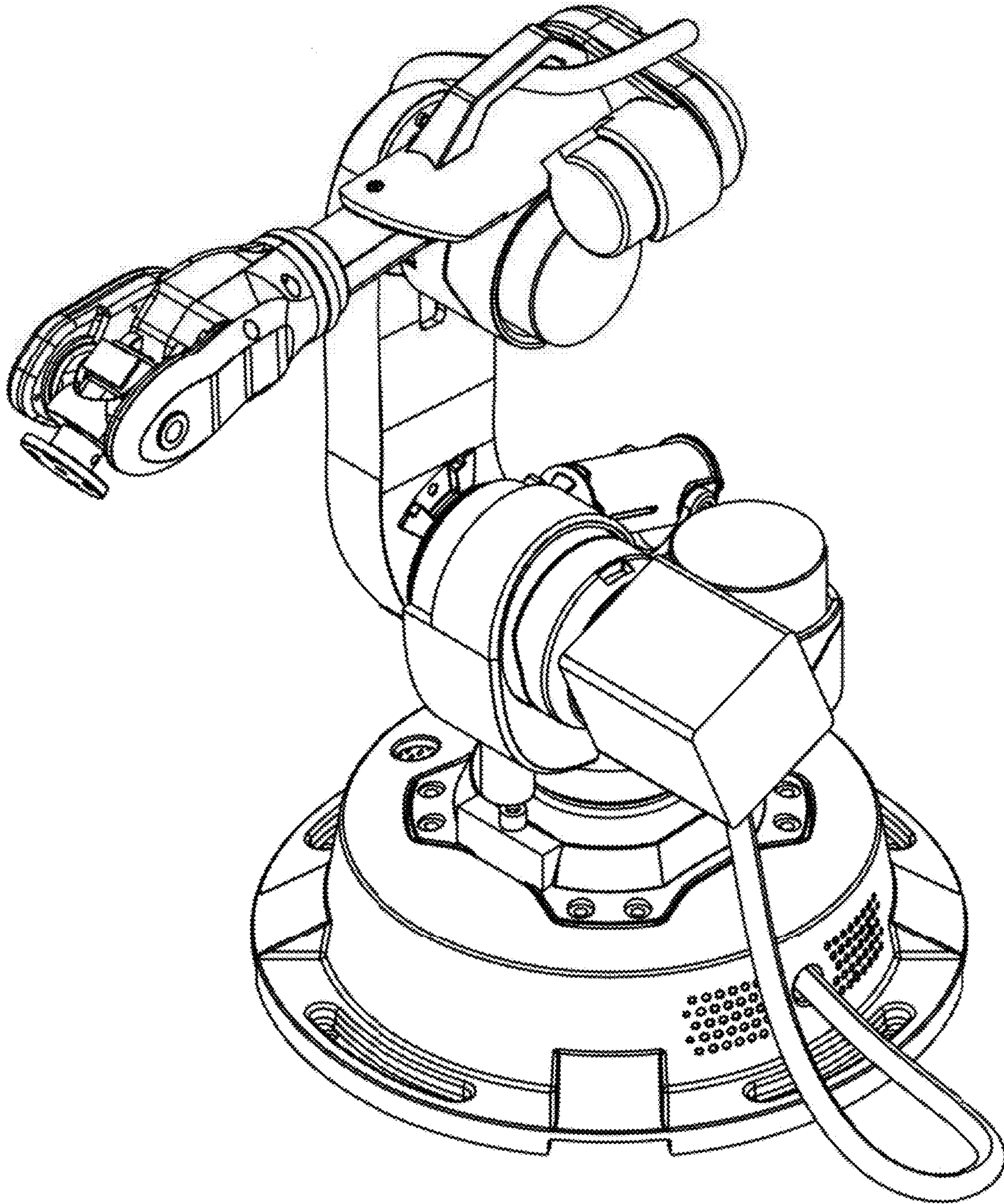


FIG. 2

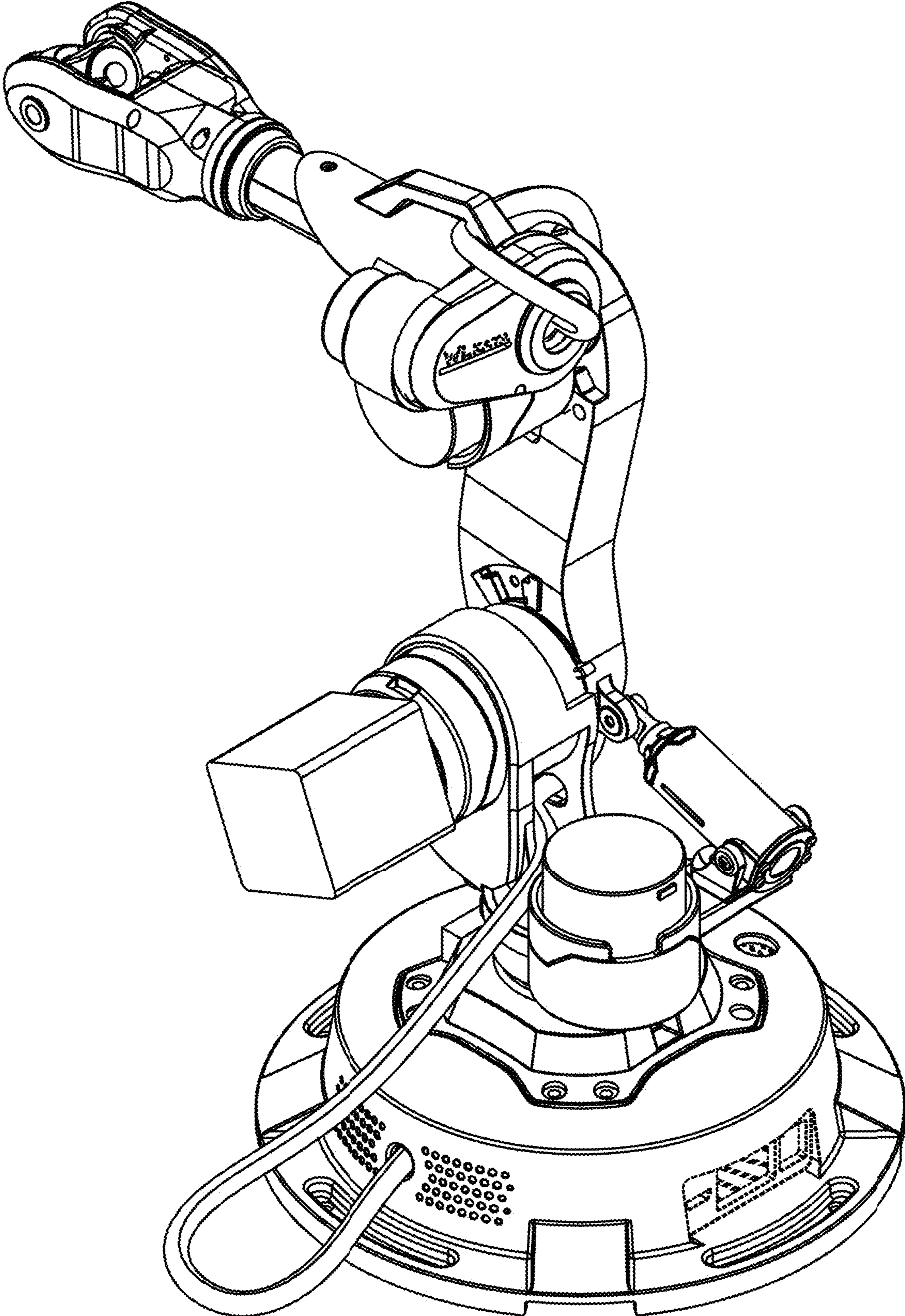


FIG. 3

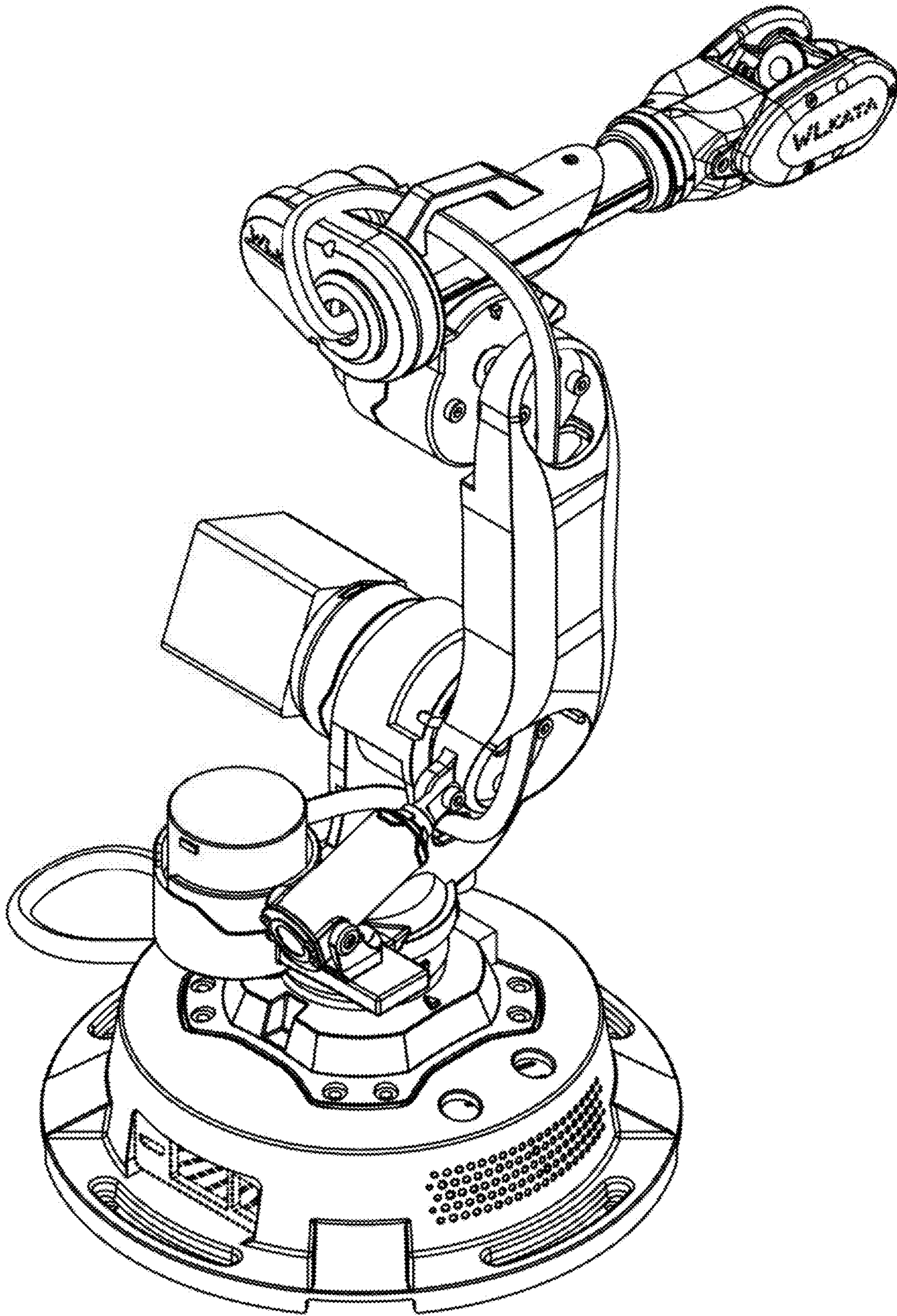


FIG. 4

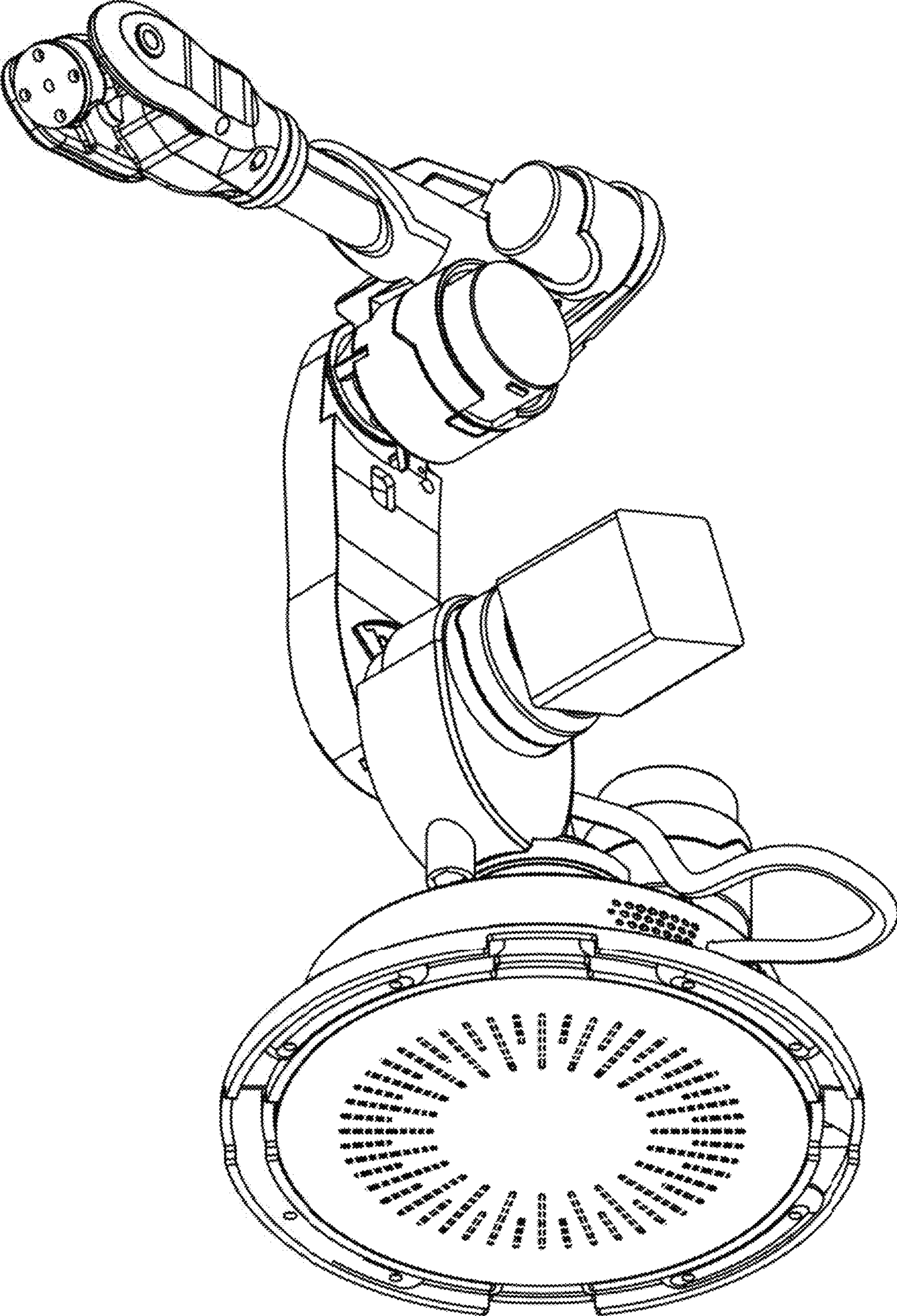


FIG. 5

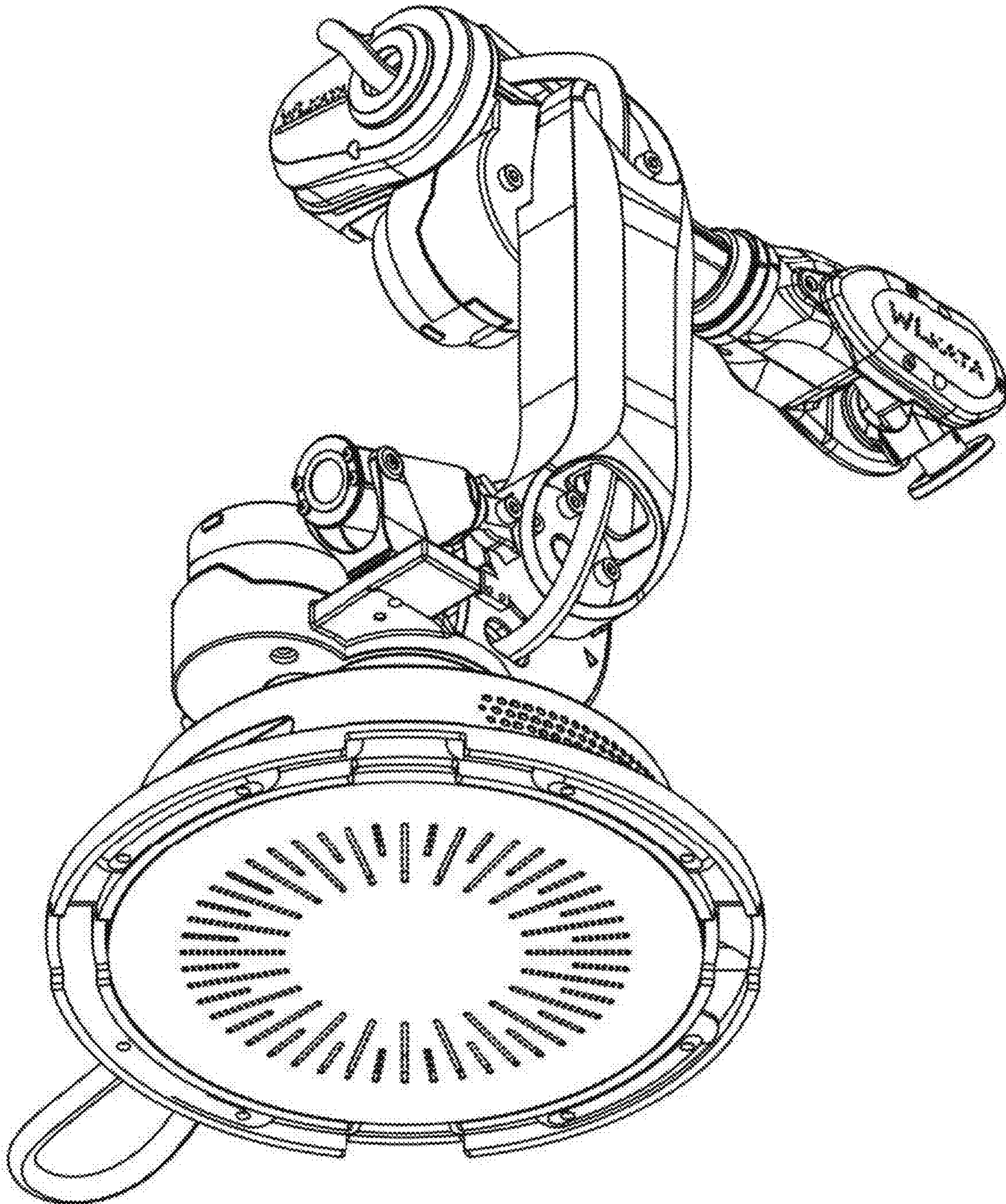


FIG. 6

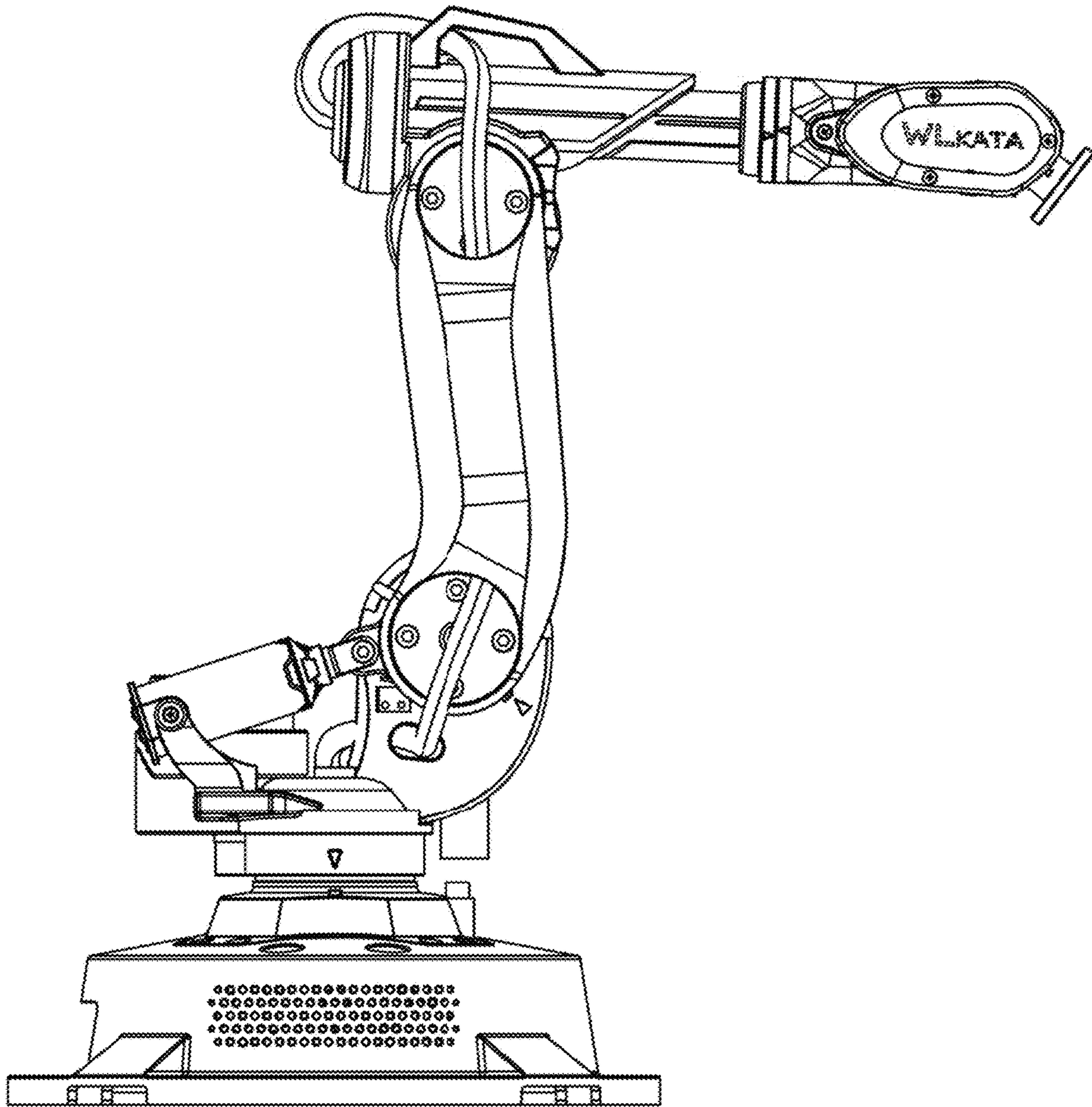


FIG. 7

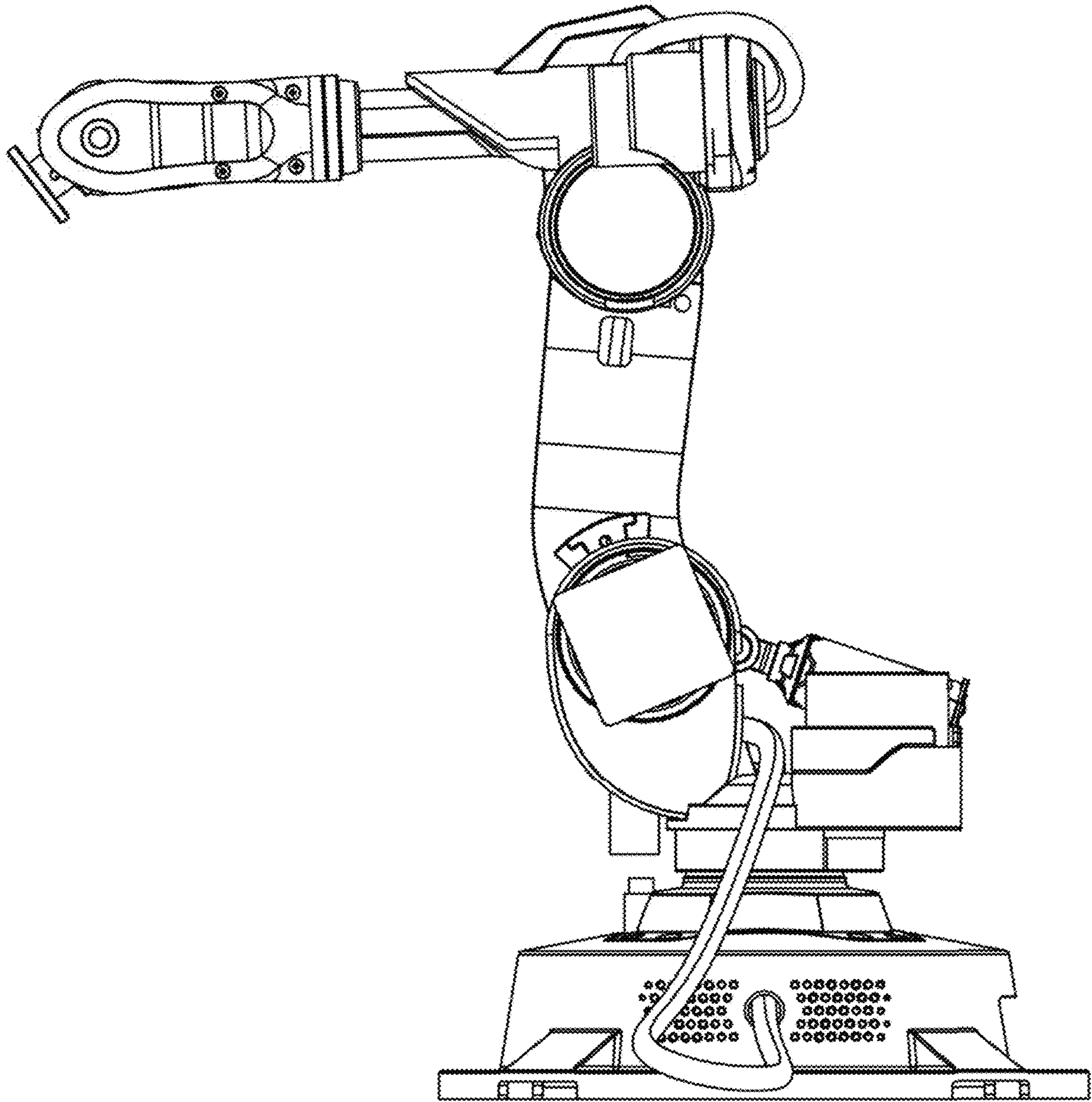


FIG. 8

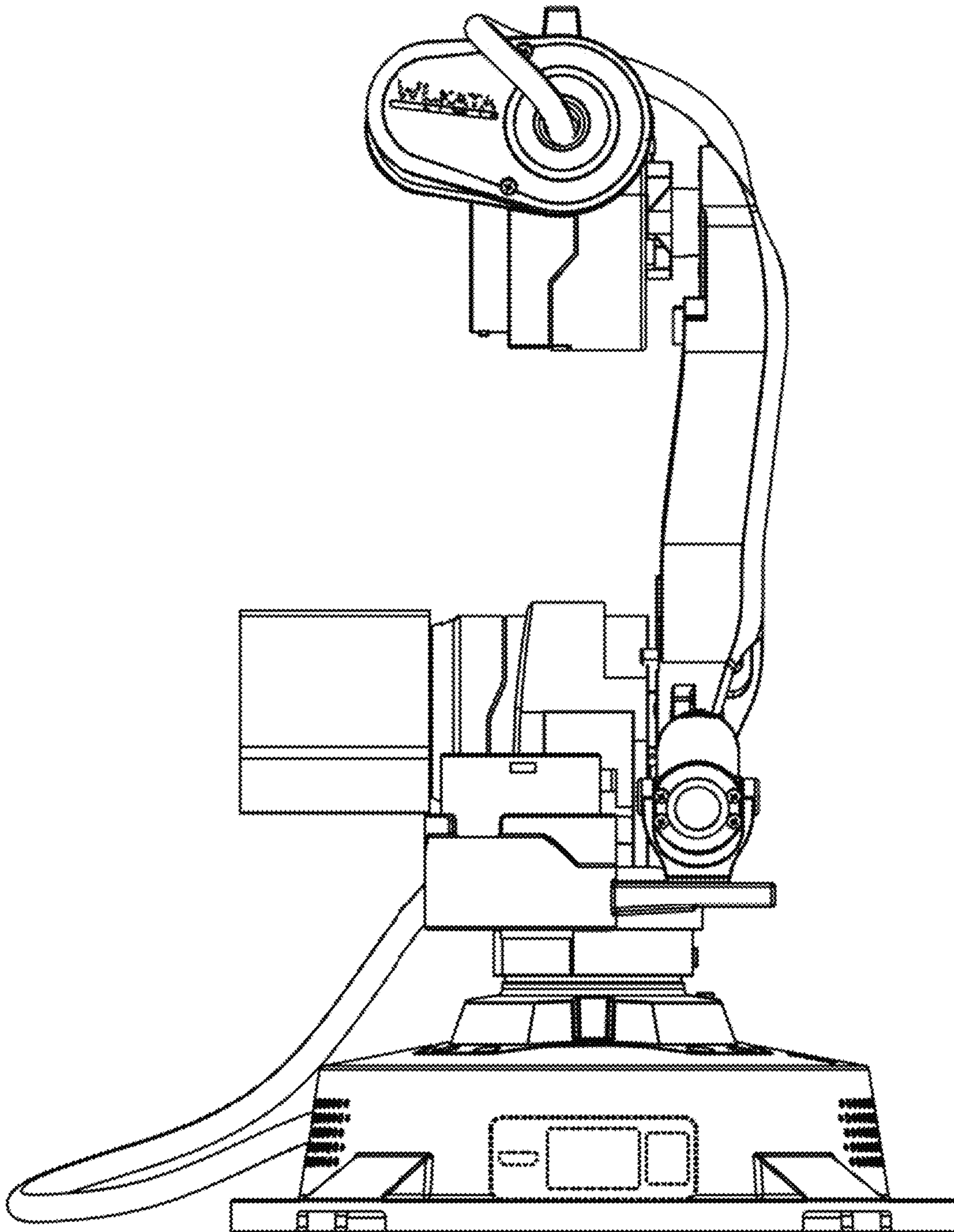


FIG. 9

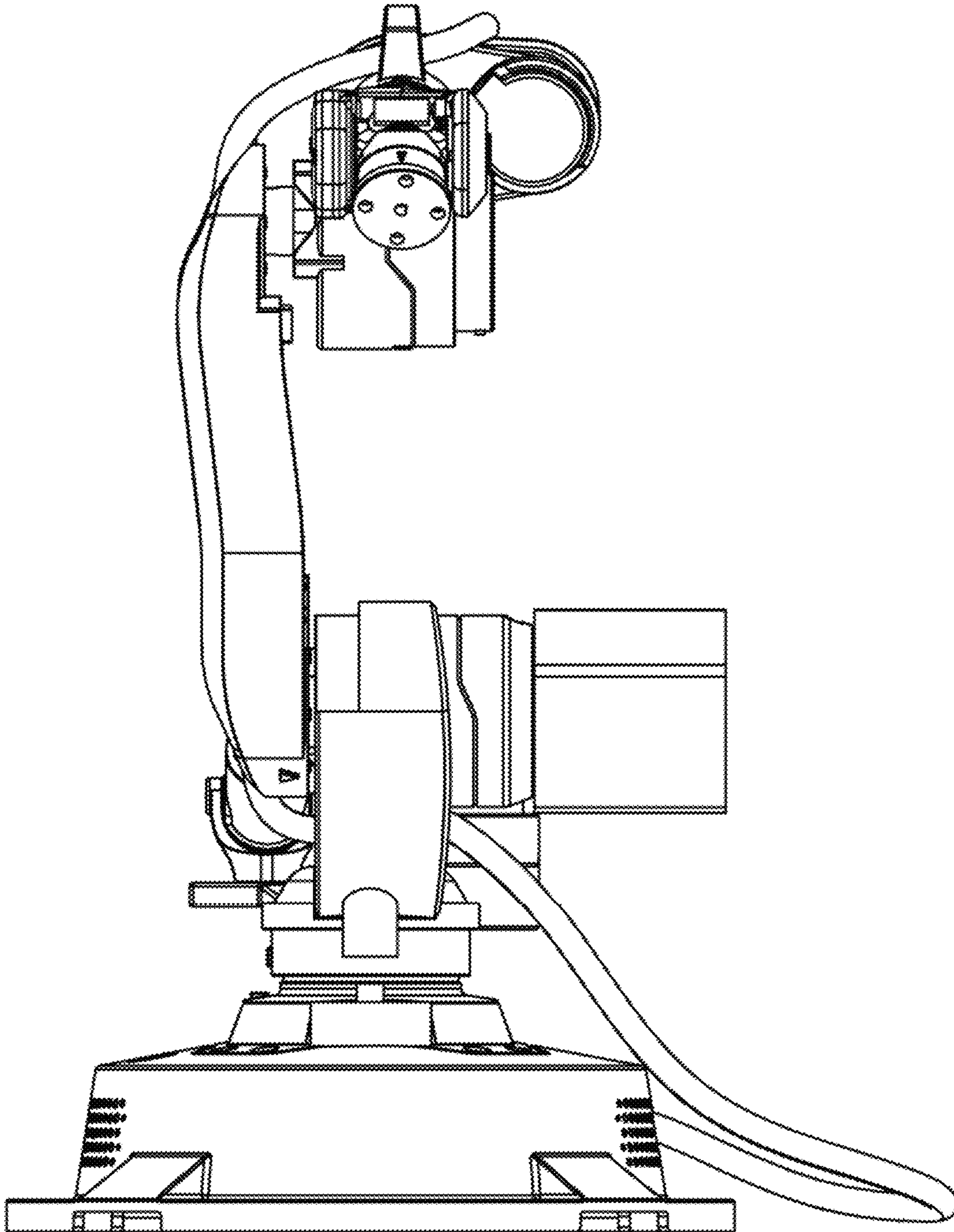


FIG. 10

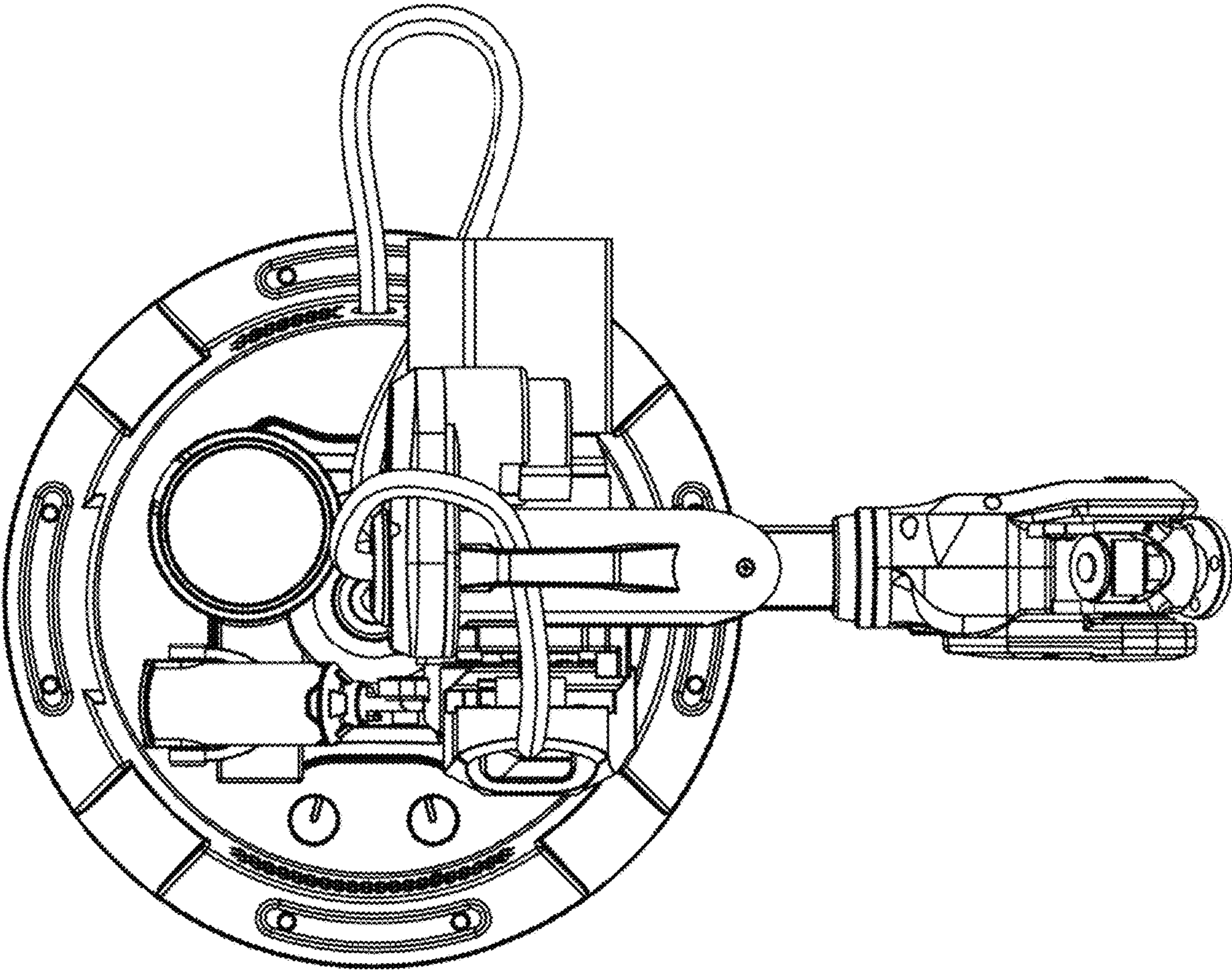


FIG. 11

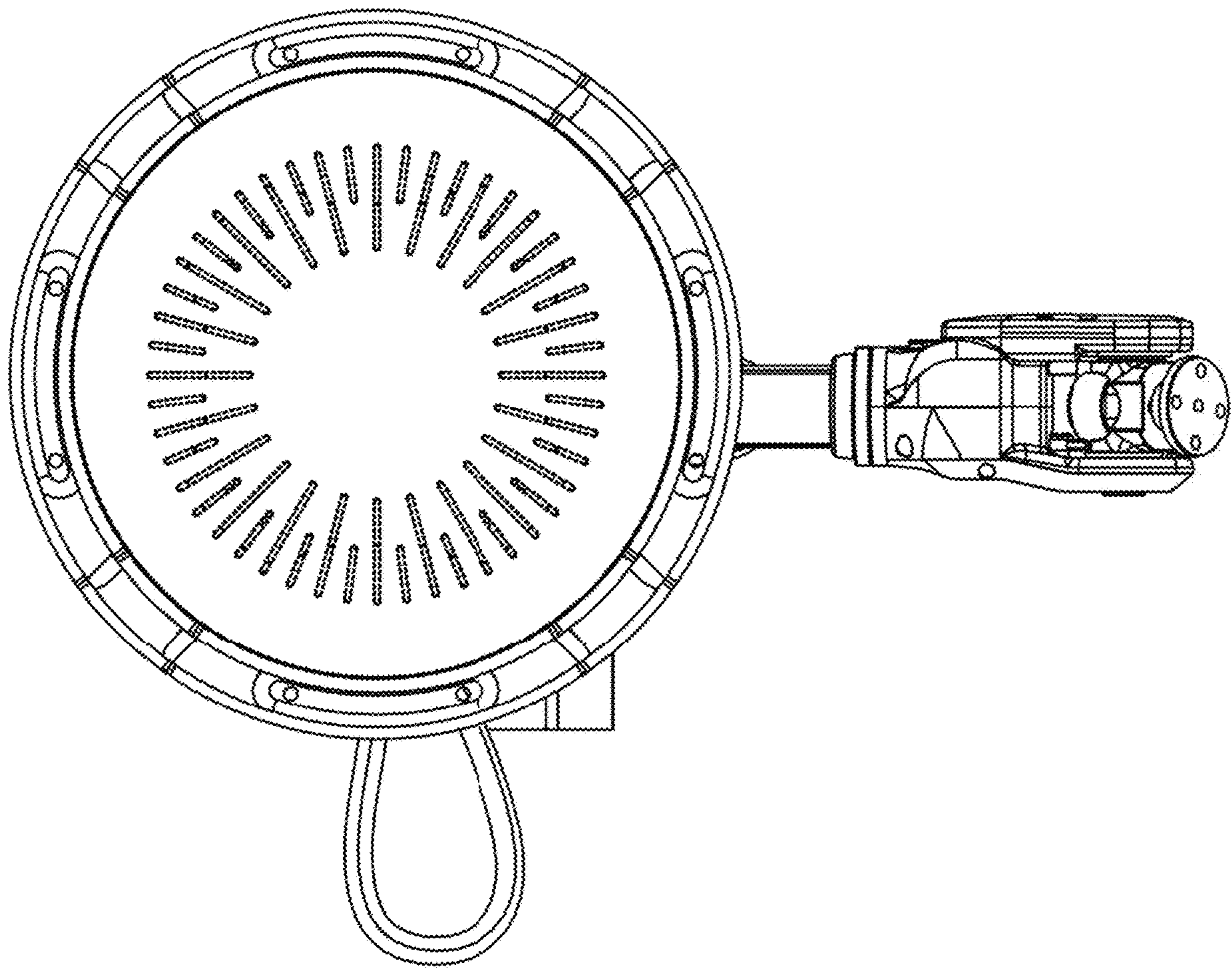


FIG. 12