



US00D896860S

(12) **United States Design Patent** (10) **Patent No.:** **US D896,860 S**
Abe et al. (45) **Date of Patent:** **** Sep. 22, 2020**

(54) **INDUSTRIAL ROBOT**

(56) **References Cited**

(71) Applicant: **FANUC CORPORATION**, Yamanashi (JP)

U.S. PATENT DOCUMENTS

(72) Inventors: **Kenichiro Abe**, Yamanashi (JP);
Yoshihiro Tanno, Yamanashi (JP);
Masashi Ooe, Yamanashi (JP); **Akihiro Oikawa**, Yamanashi (JP); **Hirokazu Kume**, Yamanashi (JP); **Kentarou Ootani**, Yamanashi (JP); **Daisuke Shiramatsu**, Yamanashi (JP); **Takayuki Wakabayashi**, Yamanashi (JP); **Kouhei Hanatani**, Yamanashi (JP); **Ryouta Shimizu**, Yamanashi (JP); **Michio Kinoshita**, Tokyo (JP); **Kou Isozaki**, Tokyo (JP)

D267,883 S	2/1983	Susnjara	
D269,681 S *	7/1983	Morser	D15/122
D279,572 S	7/1985	Yasuoka et al.	
D287,368 S *	12/1986	Shibayama	D15/122
D293,449 S	12/1987	Kaufmann et al.	
D296,790 S	7/1988	Tsuburaya et al.	
D300,935 S	5/1989	Maddock et al.	
D307,282 S	4/1990	Suica et al.	
D334,581 S	4/1993	Yoshikawa et al.	
D344,279 S	2/1994	Koyama et al.	
D344,280 S	2/1994	Koyama et al.	
D410,477 S	6/1999	Nihei et al.	
D444,488 S *	7/2001	Selic	D15/199
D449,057 S *	10/2001	Selic	D15/199
D616,909 S	6/2010	Long	
D624,104 S *	9/2010	Miyake	D15/199
7,810,765 B2	10/2010	Burlot	

(Continued)

(73) Assignee: **FANUC CORPORATION**, Yamanashi (JP)

OTHER PUBLICATIONS

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

Office Action issued in Design U.S. Appl. No. 29/666,163, dated Nov. 18, 2019.

(Continued)

(21) Appl. No.: **29/700,814**

Primary Examiner — Patricia A Palasik

(22) Filed: **Aug. 6, 2019**

(74) *Attorney, Agent, or Firm* — Banner & Witcoff, Ltd.

(30) **Foreign Application Priority Data**

(57) **CLAIM**

Feb. 8, 2019 (JP) 2019-002616

The ornamental design for an industrial robot, as shown and described.

(51) **LOC (12) Cl.** **15-99**

DESCRIPTION

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

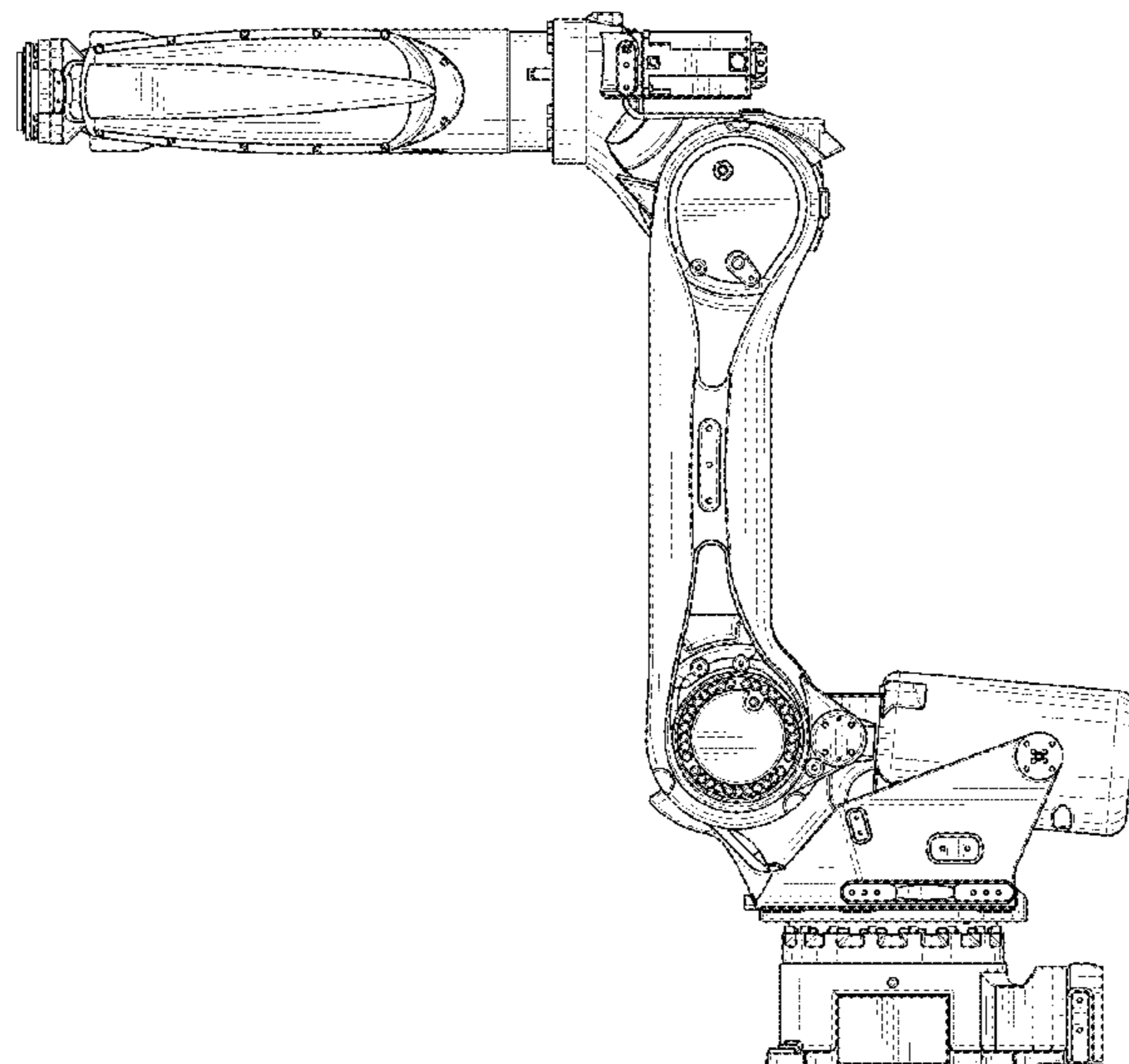
FIG. 1 is a front view of an industrial robot showing our new design;

(58) **Field of Classification Search**
USPC D15/122, 199; D21/578–583; D32/21; D34/34
CPC B25J 9/046; B25J 9/042; B25J 9/06; H01L 21/67766

FIG. 2 is a rear view thereof,
FIG. 3 is a top plan view thereof;
FIG. 4 is a bottom view thereof;
FIG. 5 is a right side view thereof; and,
FIG. 6 is a left side view thereof.

See application file for complete search history.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D629,030 S * 12/2010 Long D15/199
 D636,004 S 4/2011 Nakagiri et al.
 D636,419 S 4/2011 Nakagiri et al.
 D636,803 S 4/2011 Nakagiri et al.
 D638,044 S * 5/2011 Ikoma D15/199
 D638,455 S 5/2011 Long
 D650,820 S 12/2011 Long
 D651,627 S * 1/2012 Long D15/199
 D670,319 S 11/2012 Liu et al.
 D677,294 S * 3/2013 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 et al.
 8,537,346 B2 9/2013 Nakagiri et al.
 D690,753 S * 10/2013 Liu D15/199
 D704,757 S 5/2014 Nagai et al.
 D707,277 S * 6/2014 Olsson D15/199
 D713,436 S 9/2014 Liu
 D766,348 S * 9/2016 Long D15/199
 D769,343 S * 10/2016 Bordegnoni D15/199
 D769,954 S * 10/2016 Kinoshita D15/199
 D774,579 S * 12/2016 Oda D15/199

D778,971 S * 2/2017 Long D15/199
 D800,813 S * 10/2017 Zhu D15/199
 D802,041 S * 11/2017 He D15/199
 D841,707 S * 2/2019 Yamamoto D15/199
 D852,863 S * 7/2019 Dosho D15/199
 D855,095 S * 7/2019 Wang D15/199
 D865,828 S * 11/2019 Bogart D15/199
 D870,169 S * 12/2019 Dosho D15/199
 D877,222 S * 3/2020 Abe D15/199
 D877,787 S * 3/2020 Kinoshita D15/199
 D878,443 S * 3/2020 Abe D15/199
 D881,251 S 4/2020 Abe et al.
 D883,352 S * 5/2020 Abe D15/199
 2005/0092122 A1 5/2005 Markert et al.
 2005/0126327 A1 6/2005 Markert et al.
 2008/0271561 A1 11/2008 Ohara et al.

OTHER PUBLICATIONS

Office Action issued in the KR Design Application No. KR30-2019-0036362, dated Mar. 16, 2020, 2 pages.
 Design Application No. KR30-2018-0046740 (Registration No. KR30-1008319), 7 pages.

* cited by examiner

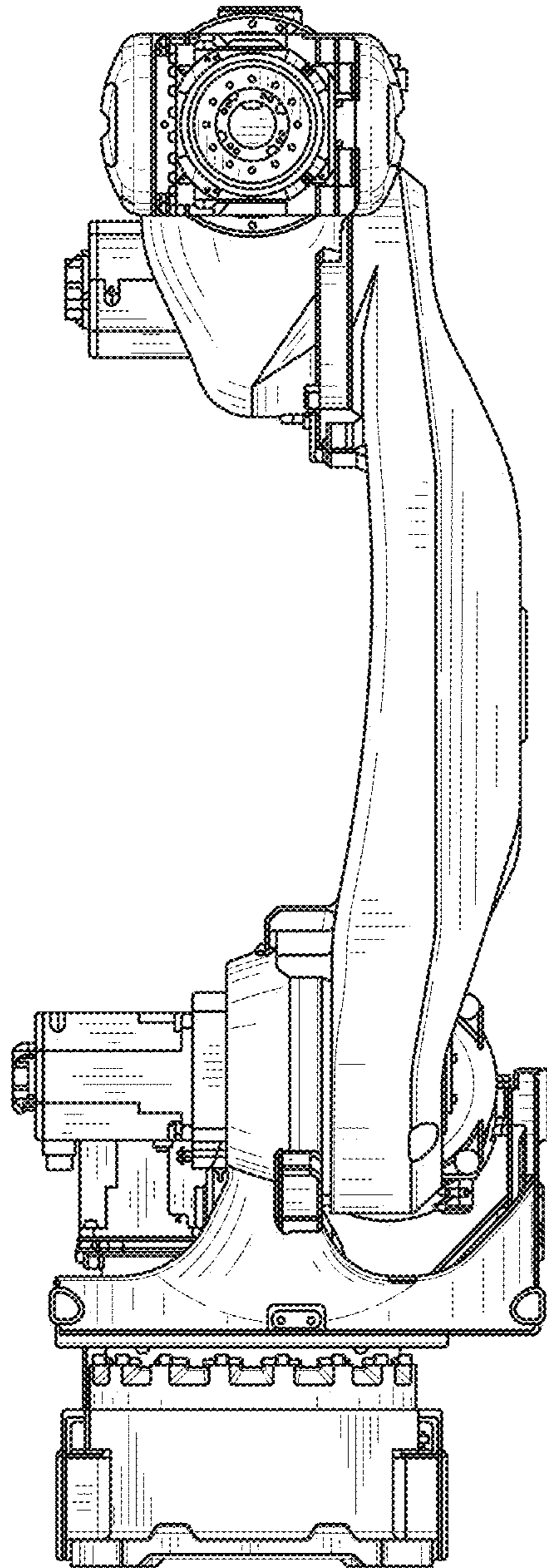


FIG. 1

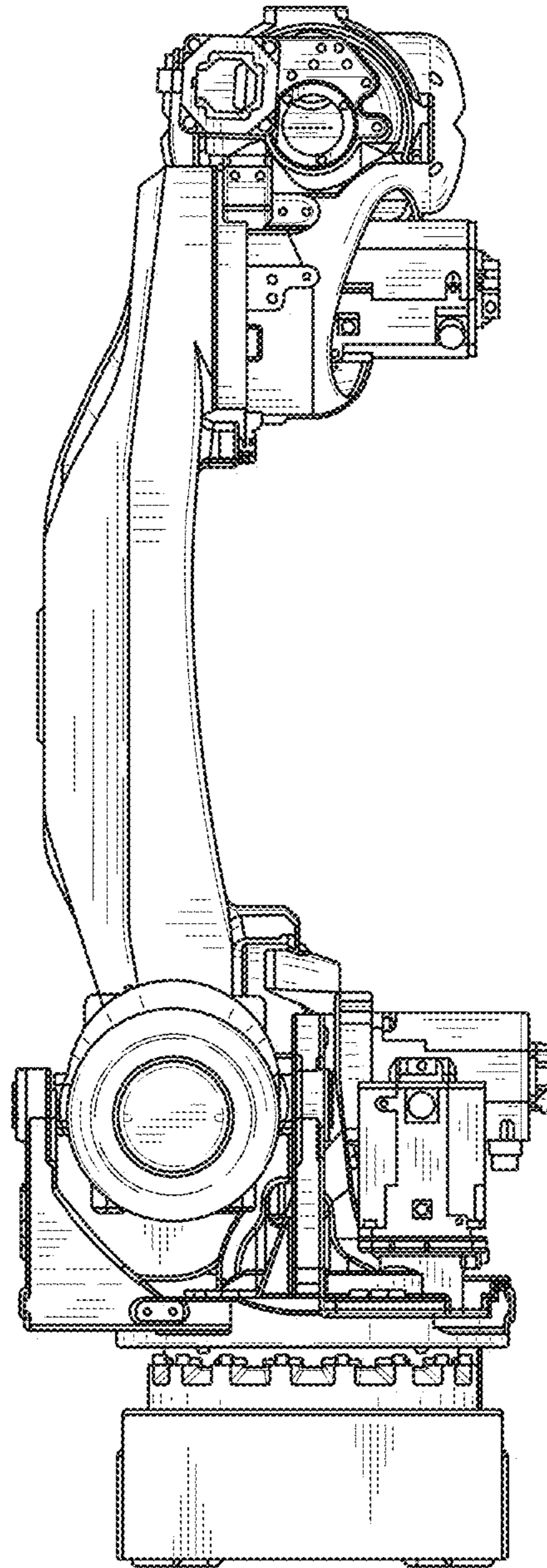


FIG. 2

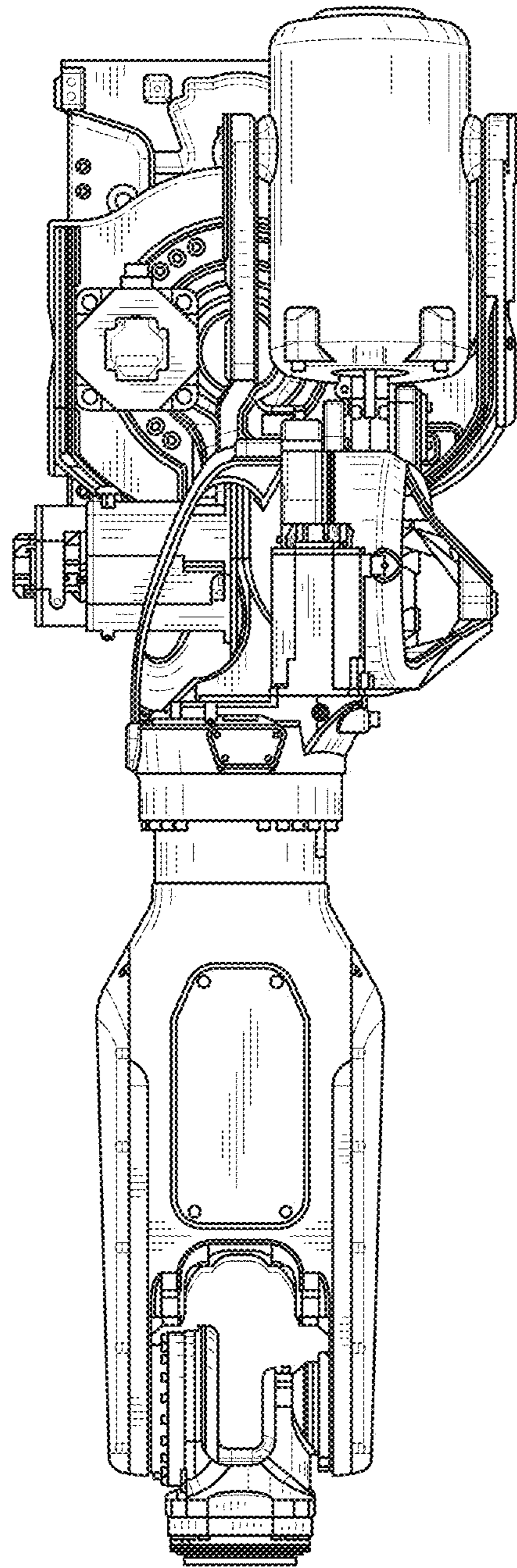


FIG. 3

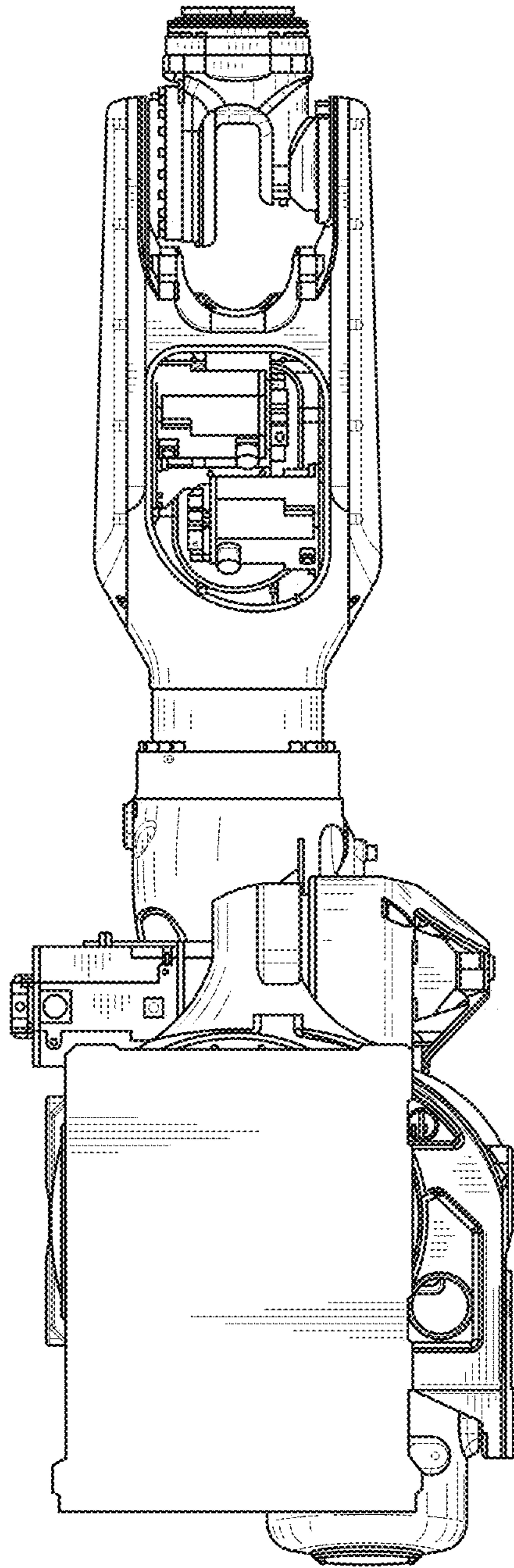


FIG. 4

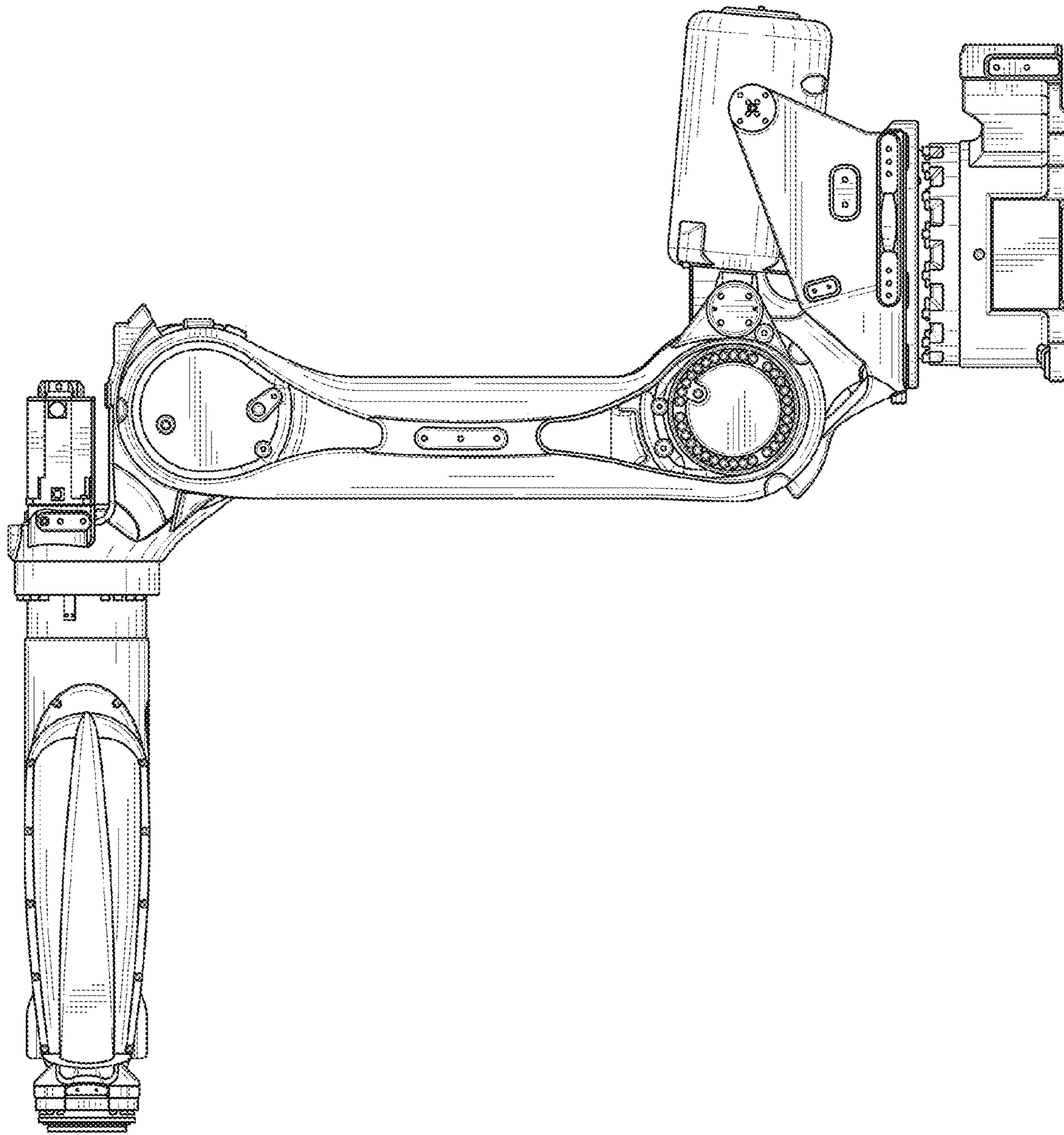


FIG. 5

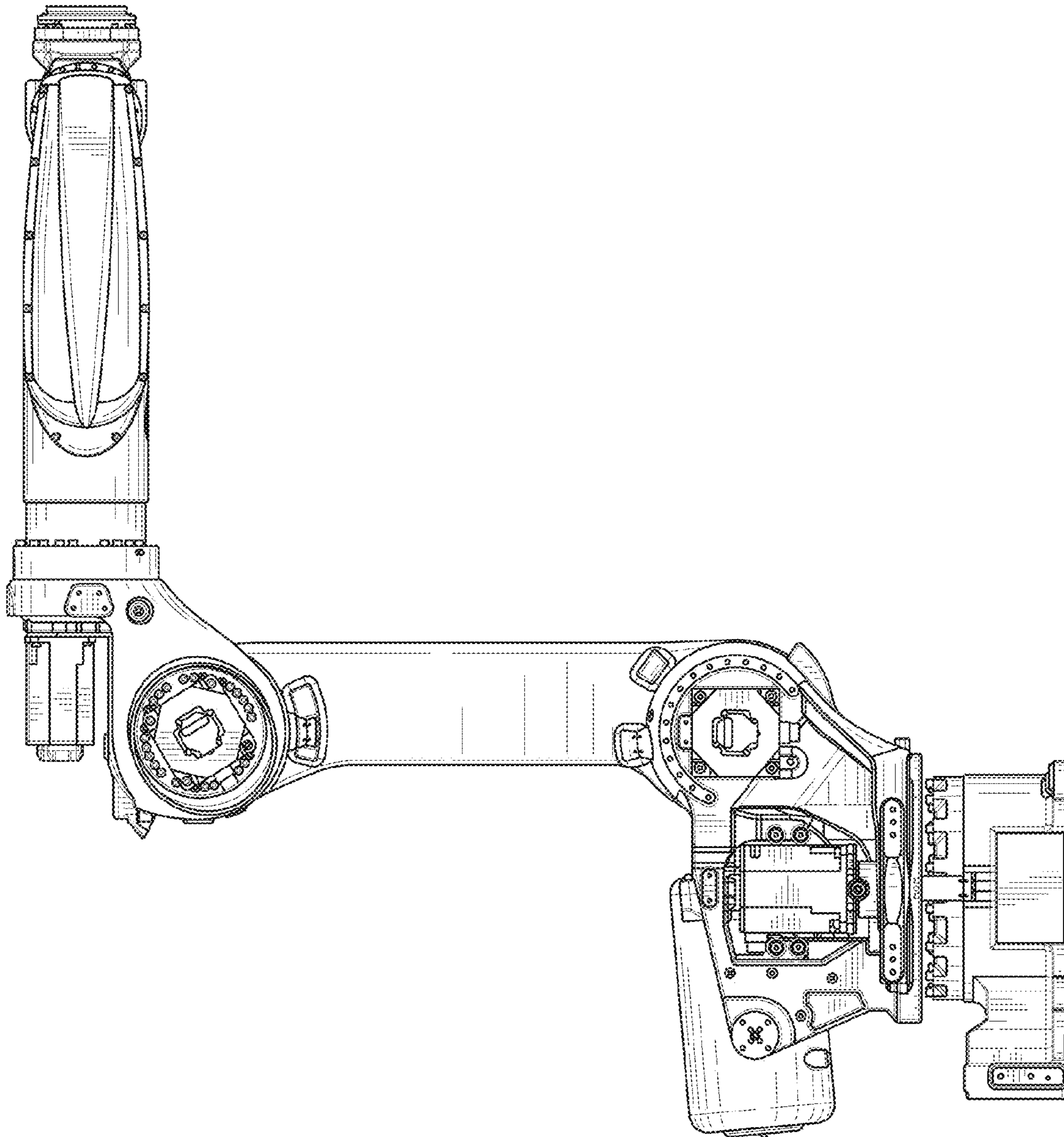


FIG. 6