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Okuyama et al.

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(54) **EXCAVATOR**

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(**) Term: **14 Years**

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(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** **12-09**

(52) **U.S. Cl.**
USPC **D15/25**

(58) **Field of Classification Search**

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180/308, 306, 291; 414/560, 685, 743

CPC B62D 51/04; B62D 51/00; B62D 55/00;
E02F 9/2004; E02F 9/02; E02F 9/0808;
E02F 9/20; E02F 9/08; E02F 3/34; E02F
3/28; E02F 3/3414

See application file for complete search history.

D463,454 S * 9/2002 Miller D15/22
D470,513 S * 2/2003 Miller D15/22
D479,535 S * 9/2003 Lange D15/25
D482,701 S * 11/2003 Bares D15/24
6,709,223 B2 * 3/2004 Walto B62D 51/04
180/19.1
6,715,579 B1 * 4/2004 Hendron E02F 9/085
212/302
D516,587 S * 3/2006 Bares D15/23
D555,673 S * 11/2007 Hendron D15/22
D563,438 S * 3/2008 Bares D15/24
D572,275 S * 7/2008 Hamburger D15/10
D572,730 S * 7/2008 Sewell D15/10
D579,464 S * 10/2008 Sewell D15/10
D590,422 S * 4/2009 Joos D15/22
8,602,147 B2 * 12/2013 Miyachi B60K 15/063
180/69.2
2003/0108414 A1 * 6/2003 Walto B62D 51/04
414/685
2005/0210718 A1 * 9/2005 Ueda E02F 9/0808
37/466
2010/0071986 A1 * 3/2010 Miyachi B60K 15/063
180/326

* cited by examiner

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(57) **CLAIM**

The ornamental design for an excavator, as shown and
described.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D195,254 S * 5/1963 Keller et al. D15/25
D205,485 S * 8/1966 Juhl et al. D15/25
D294,032 S * 2/1988 Whiffin D12/15
5,307,880 A * 5/1994 Woerner A01B 45/00
111/901
5,451,135 A * 9/1995 Schempf B08B 9/0933
165/11.2
5,647,721 A * 7/1997 Rohrbaugh E02F 3/286
180/9.1
D431,574 S * 10/2000 Porter D15/25
D438,218 S * 2/2001 McIlwraith D15/25
6,397,967 B1 * 6/2002 McIlwraith B60K 17/10
180/291

DESCRIPTION

FIG. 1 is a front perspective view of an excavator showing our
new design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a top plan view thereof;

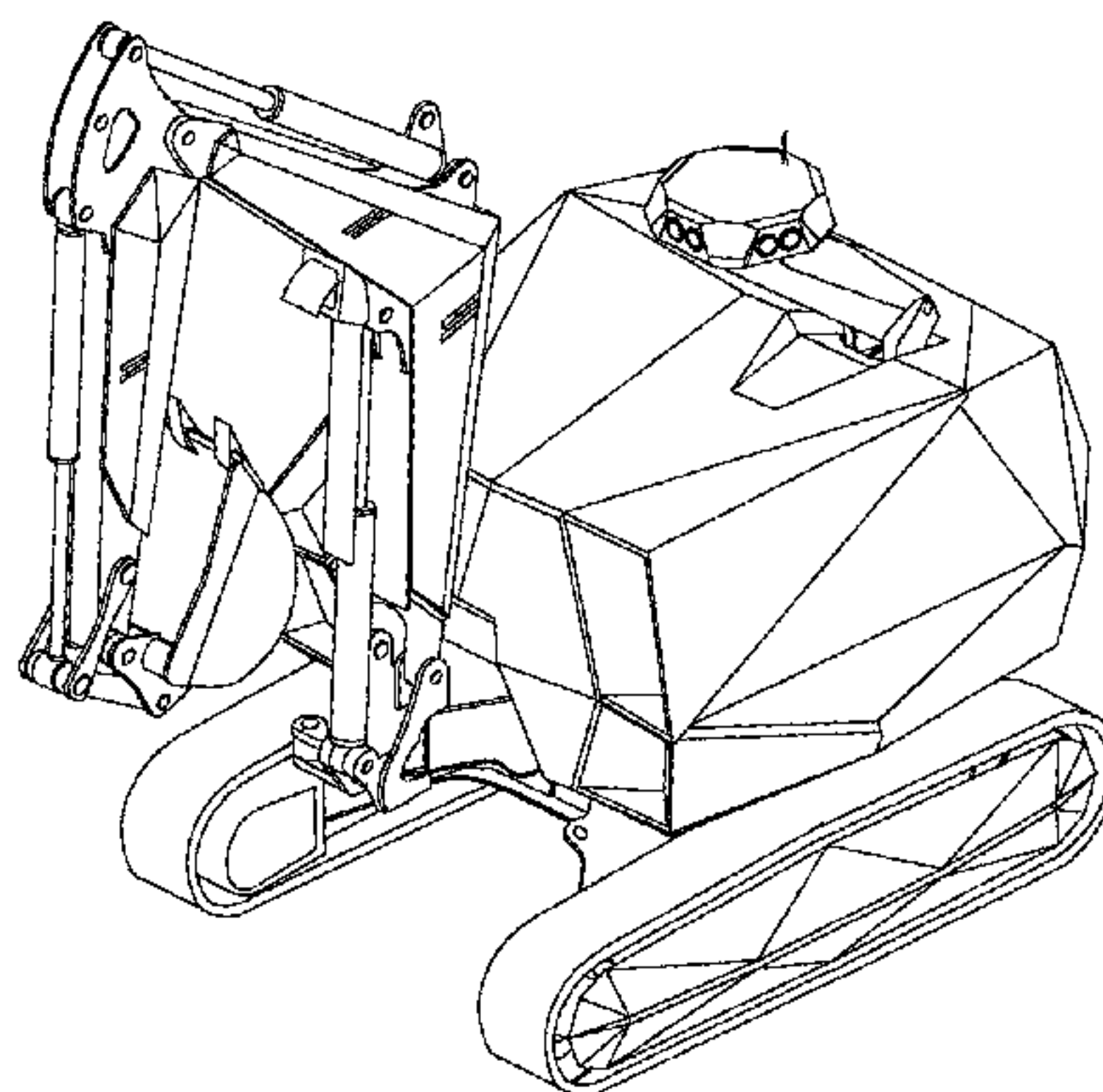
FIG. 5 is a bottom plan view thereof;

FIG. 6 is a left side view thereof;

FIG. 7 is a right side view thereof; and,

FIG. 8 is a reference view of the excavator showing an envi-
ronment in which it may be used.

1 Claim, 8 Drawing Sheets



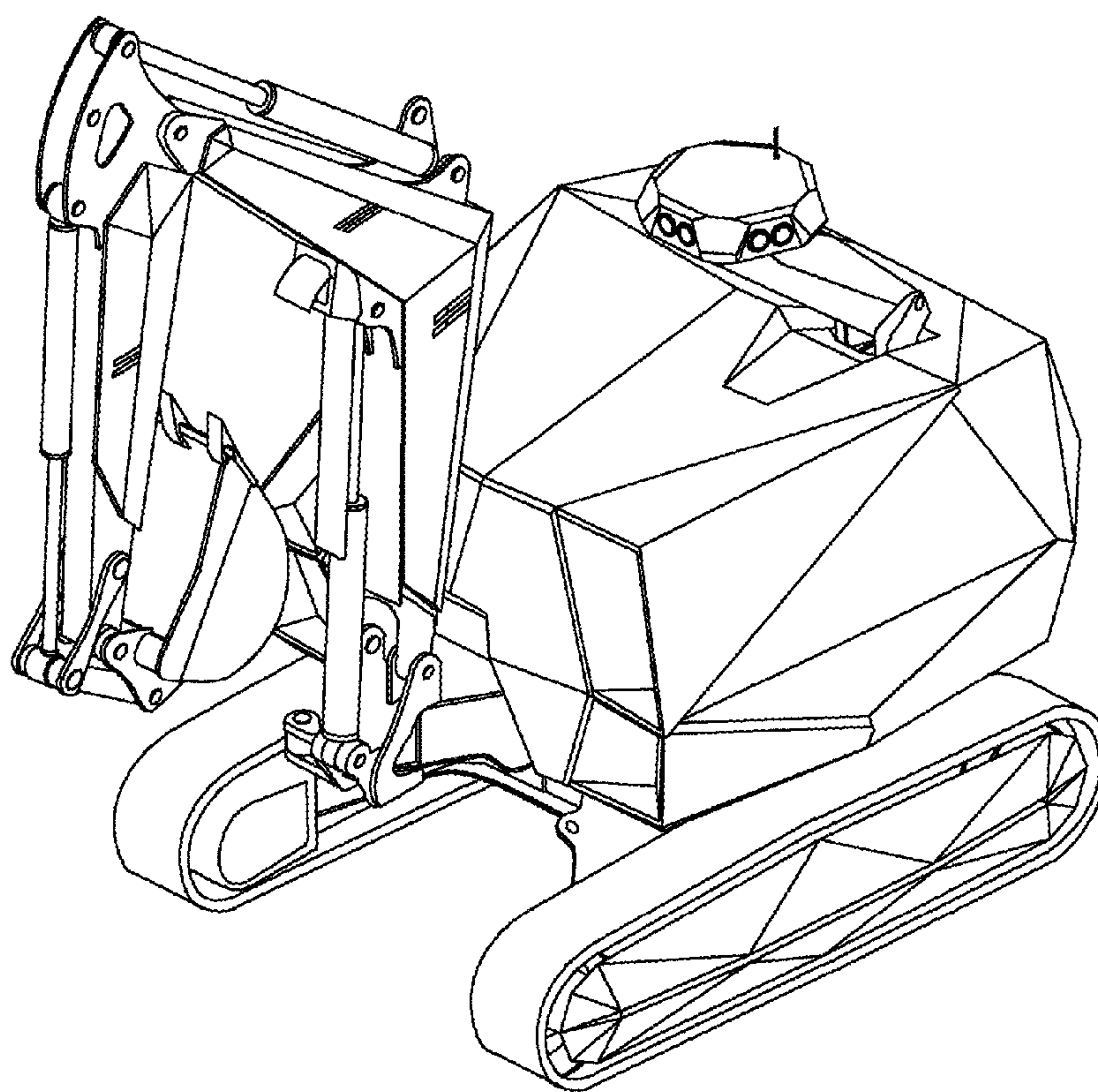


FIG. 1

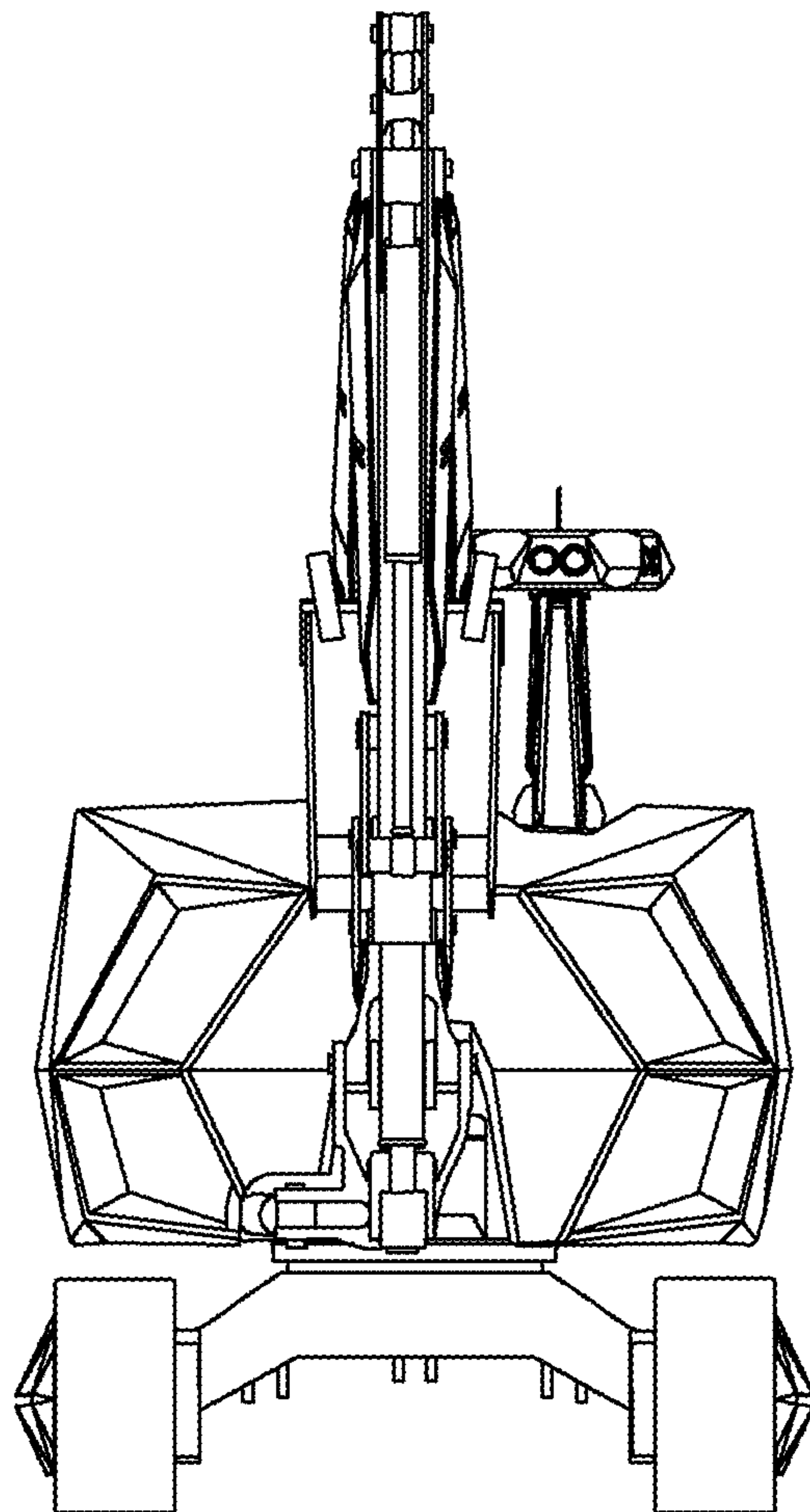


FIG. 2

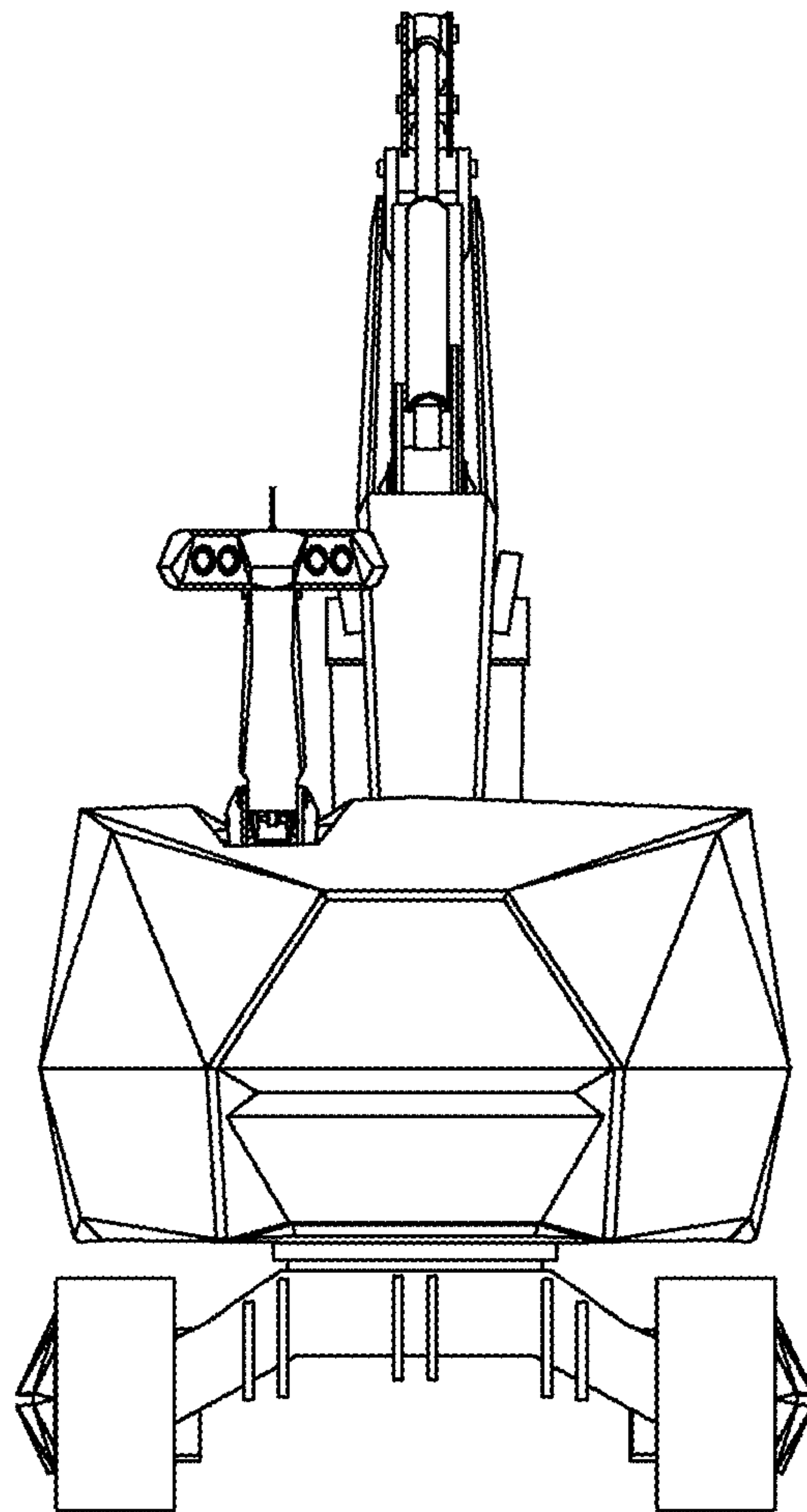


FIG. 3

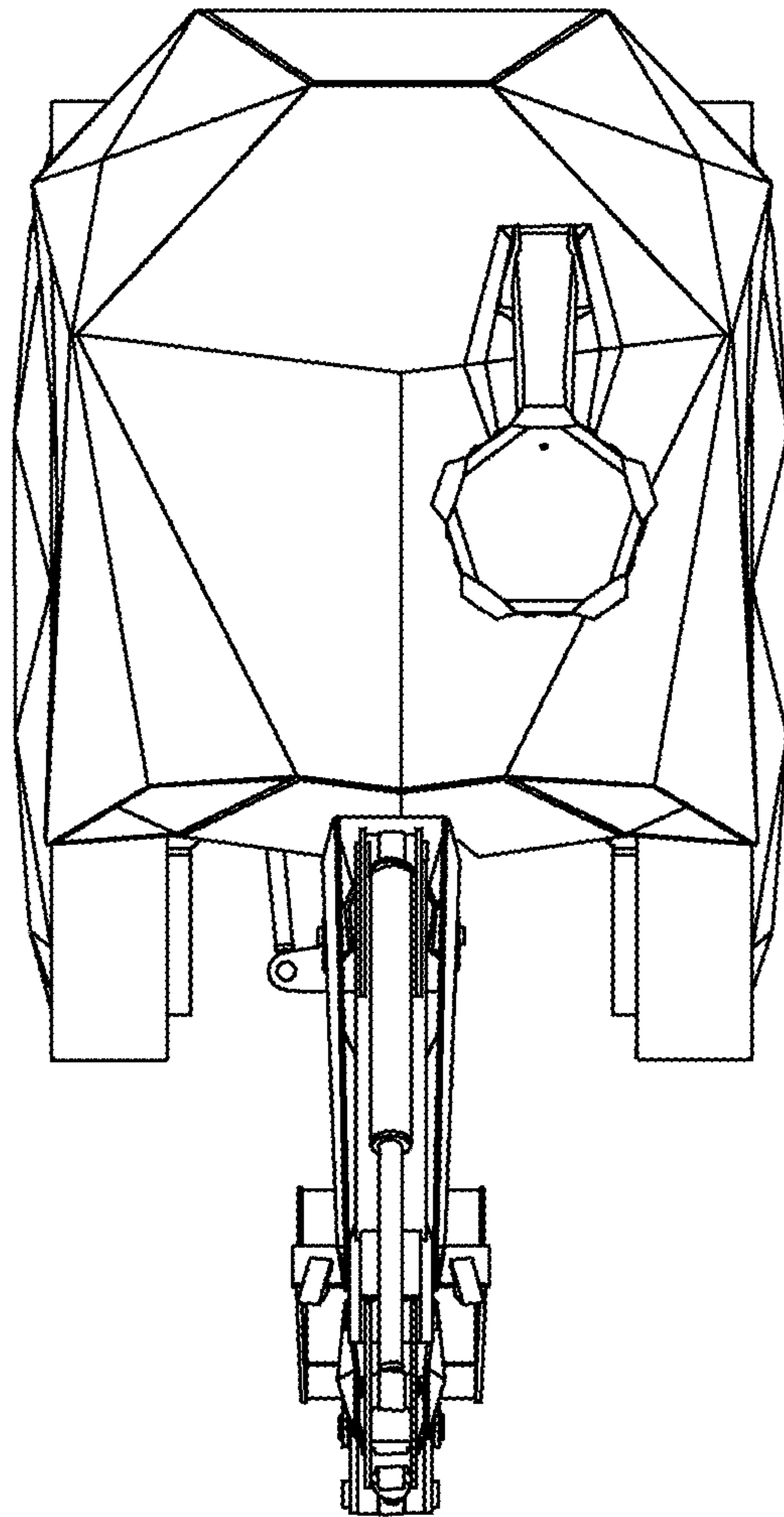


FIG. 4

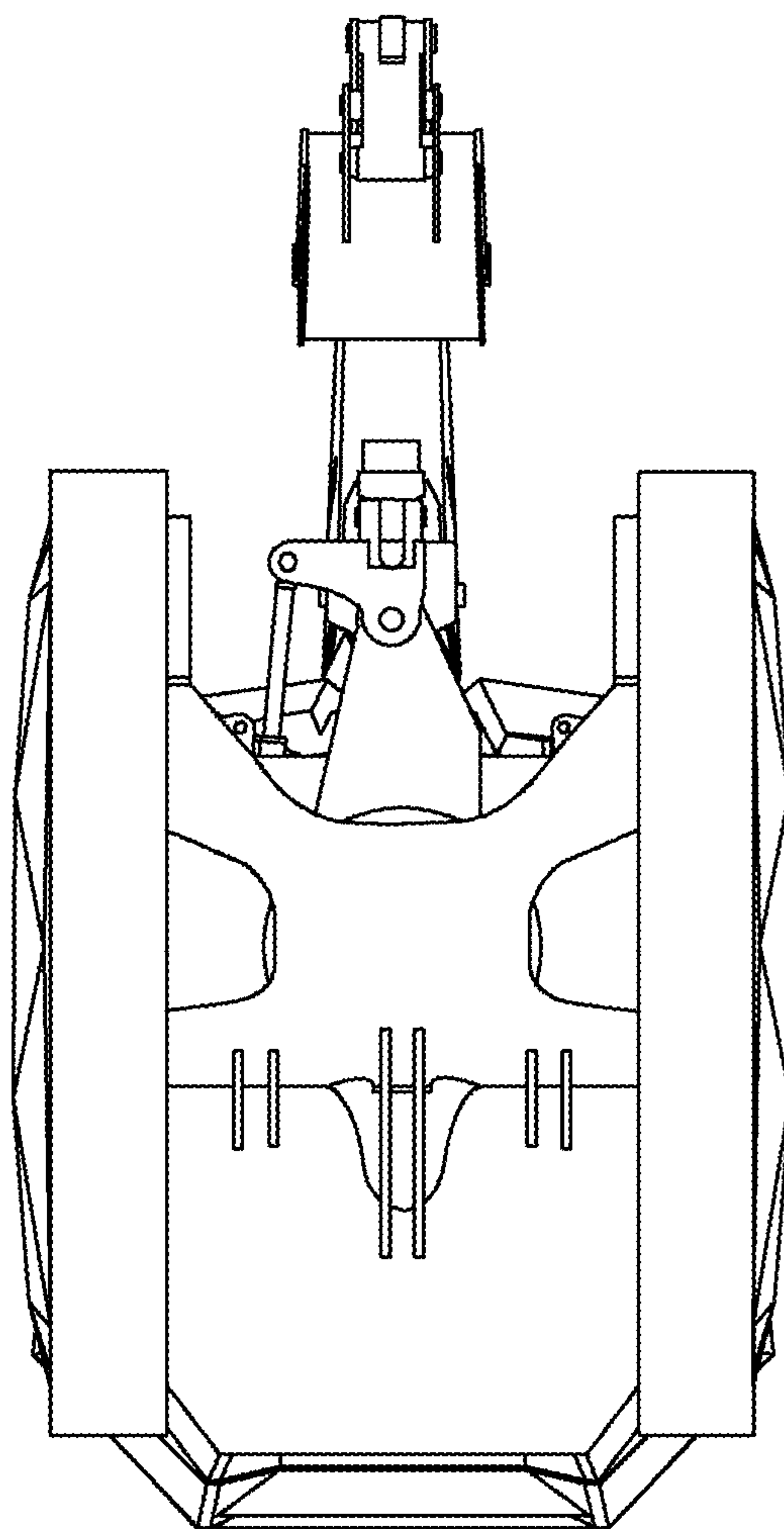


FIG. 5

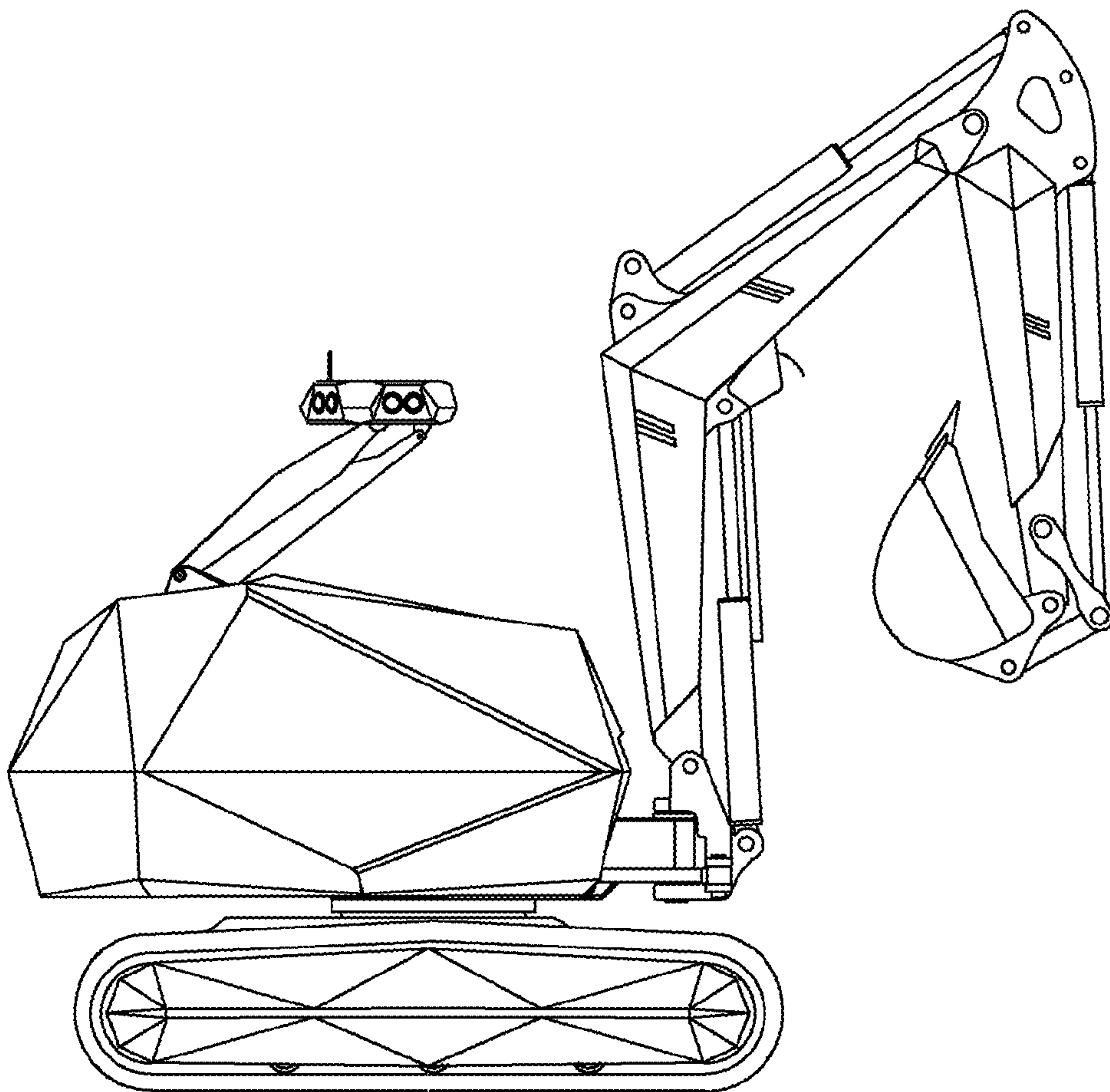


FIG. 6

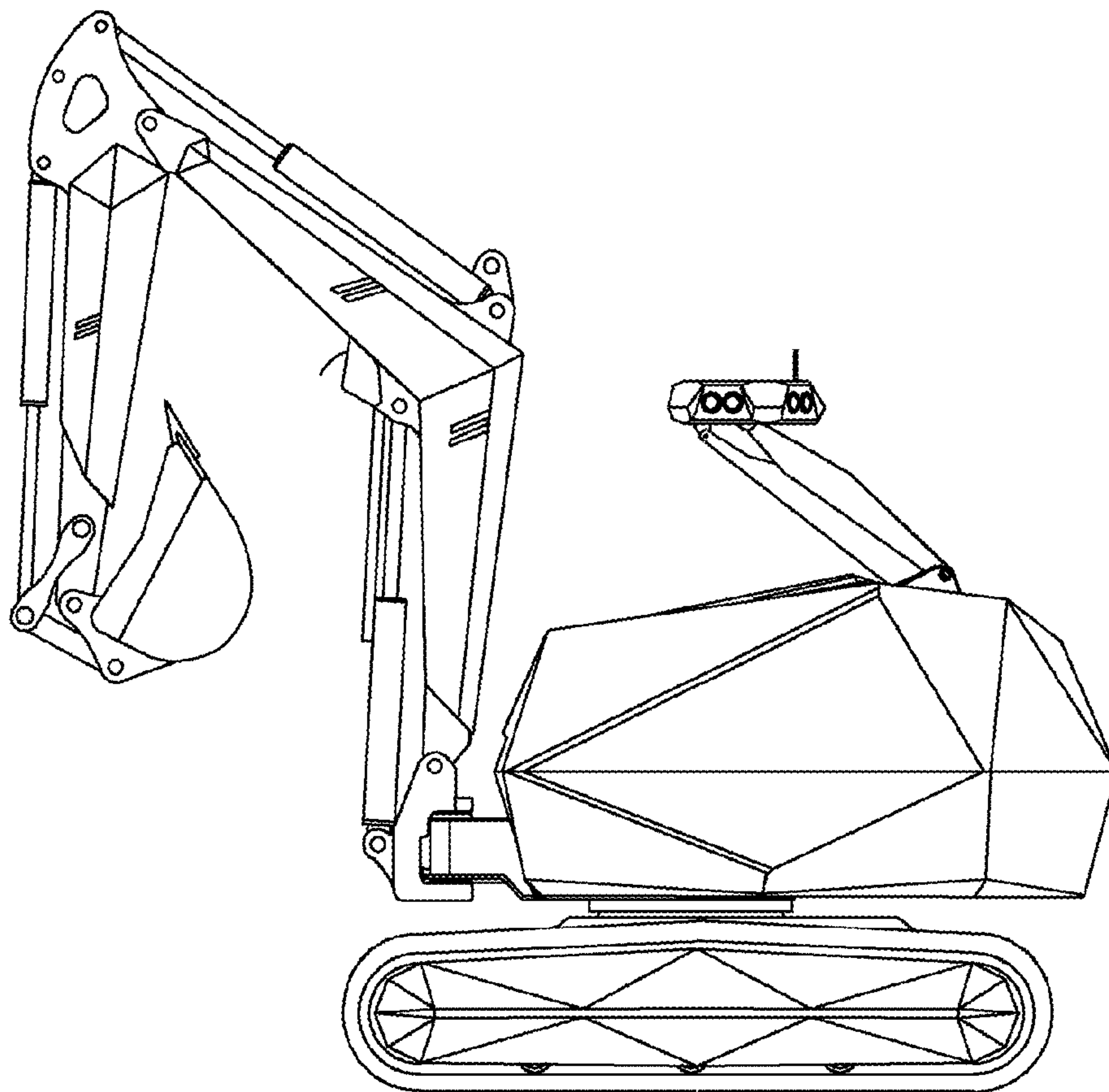


FIG. 7

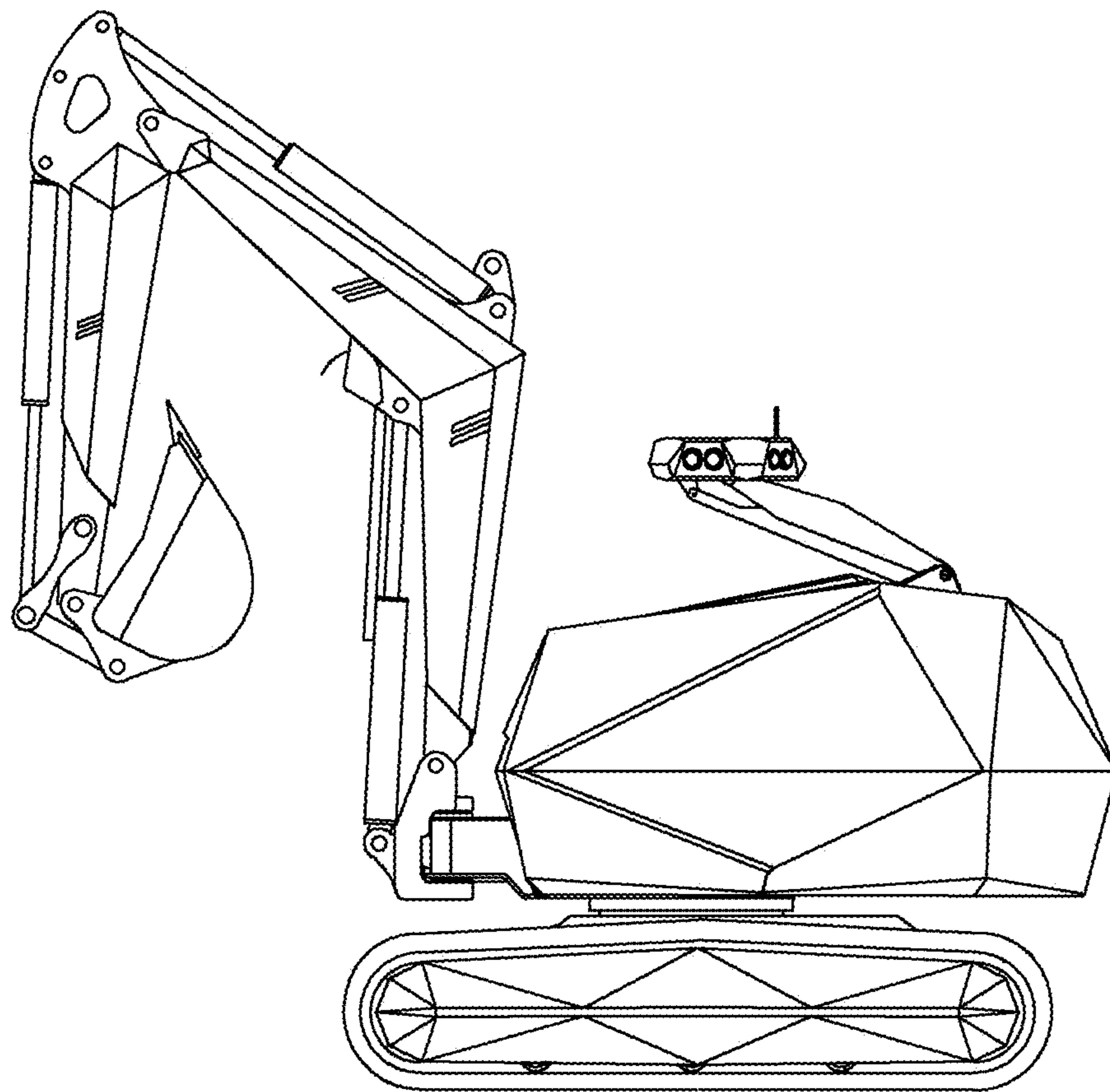


FIG.8