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(12) **United States Design Patent**  
**Ben-Simon**

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- (54) **SWIMMING POOL CLEANER**
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- (\*\*) Term: **15 Years**
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(51) **LOC (13) Cl.** ..... **15-05**

(52) **U.S. Cl.**  
USPC ..... **D32/25**

(58) **Field of Classification Search**  
USPC ..... D8/375; D15/28, 29, 579; D32/15, 21, D32/25, 33  
CPC ... E04H 4/1654; E04H 4/1636; A63H 17/262; B24B 23/02; B62D 55/088; B24D 13/10; B24D 5/066; B24D 5/16; B24D 13/20; B23F 21/16; B23F 23/1231; F16H 3/34; A01C 7/18; A01B 21/08; A01B 35/28  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

- 2,776,529 A \* 1/1957 Osplack ..... B23F 23/1231 451/47
- 4,299,051 A \* 11/1981 Pauly ..... A63H 17/262 301/118
- 4,391,335 A \* 7/1983 Birkenbach ..... A01B 35/28 172/540
- 4,920,599 A \* 5/1990 Rief ..... E04H 4/1636 15/1.7
- 5,190,363 A \* 3/1993 Brittain ..... B62D 55/088 305/137
- 5,197,158 A \* 3/1993 Moini ..... E04H 4/1654 15/1.7
- 5,284,039 A \* 2/1994 Torgerson ..... B24D 13/20 72/53

- 5,338,134 A \* 8/1994 Peng ..... B23F 21/16 407/23
- D396,863 S \* 8/1998 Bruns ..... D15/28
- D429,393 S \* 8/2000 Rief ..... D32/25
- D443,737 S \* 6/2001 Rief ..... D32/15
- D444,280 S \* 6/2001 Rief ..... D32/21
- 6,949,019 B2 \* 9/2005 Wentworth ..... B24D 5/06 451/466
- D516,260 S \* 2/2006 Chen ..... D32/25
- 7,144,315 B1 \* 12/2006 Sun ..... B24D 5/16 451/541
- 7,722,442 B2 \* 5/2010 Jones ..... B24D 5/066 451/192
- 8,007,347 B1 \* 8/2011 Lampka ..... B24B 23/02 451/358
- 8,197,309 B2 \* 6/2012 Lee ..... B24D 13/10 451/342

(Continued)

**OTHER PUBLICATIONS**

Wifi Caddy <https://www.azpoolsupplies.com/dolphin-m600-robotic-cleaner-w-wifi-caddy/> (Year: 2021).\*

(Continued)

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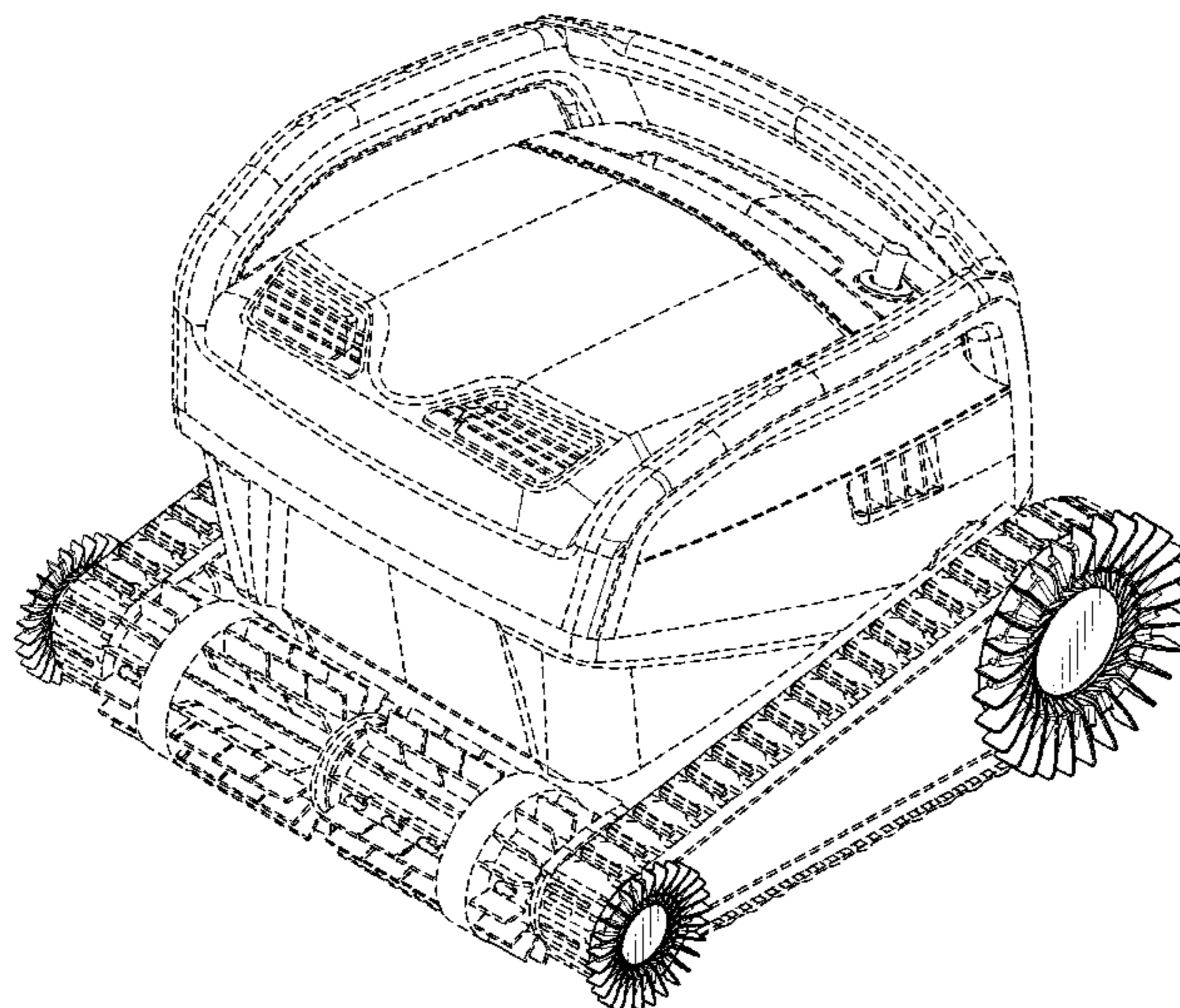
(57) **CLAIM**

The ornamental design for a swimming pool cleaner, as shown and described.

**DESCRIPTION**

FIG. 1 is a top perspective view of the new design. FIG. 2 is a rear elevation view of the new design. FIG. 3 is a front elevation view of the new design. FIG. 4 is a right elevation view of the new design. FIG. 5 is a left elevation view of the new design. FIG. 6 is a bottom plan view of the new design; and, FIG. 7 is a top plan view of the new design. The broken lines in the drawings are for illustrative purposes only and form no part of the claimed design.

**1 Claim, 7 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

9,032,575 B2 \* 5/2015 Sebor ..... E04H 4/1654  
15/1.7  
D787,761 S \* 5/2017 Mainville ..... D32/21  
D789,624 S \* 6/2017 Mainville ..... D32/21  
D792,198 S \* 7/2017 Cnich ..... D8/375  
D794,089 S \* 8/2017 Maibach ..... D15/29  
D801,396 S \* 10/2017 Whalen ..... D15/29  
10,036,175 B2 \* 7/2018 Sebor ..... E04H 4/1654  
10,246,894 B2 \* 4/2019 Deloche ..... E04H 4/1654  
10,624,252 B2 \* 4/2020 Nance ..... A01B 21/08  
10,731,732 B2 \* 8/2020 Stoltz ..... F16H 3/34  
D898,778 S \* 10/2020 Brandt ..... D15/17  
D906,232 S \* 12/2020 Fahey ..... D12/579  
D914,065 S \* 3/2021 Bhosale ..... D15/28  
D916,142 S \* 4/2021 Donadon ..... A01C 7/18  
D15/12  
2013/0031729 A1 \* 2/2013 Bernini ..... E04H 4/1654  
15/1.7

OTHER PUBLICATIONS

Dolphin Zenit <https://www.buyaswimmingpool.co.uk/dolphin-zenit-60-robotic-pool-cleaner.html> (Year: 2021).\*

\* cited by examiner

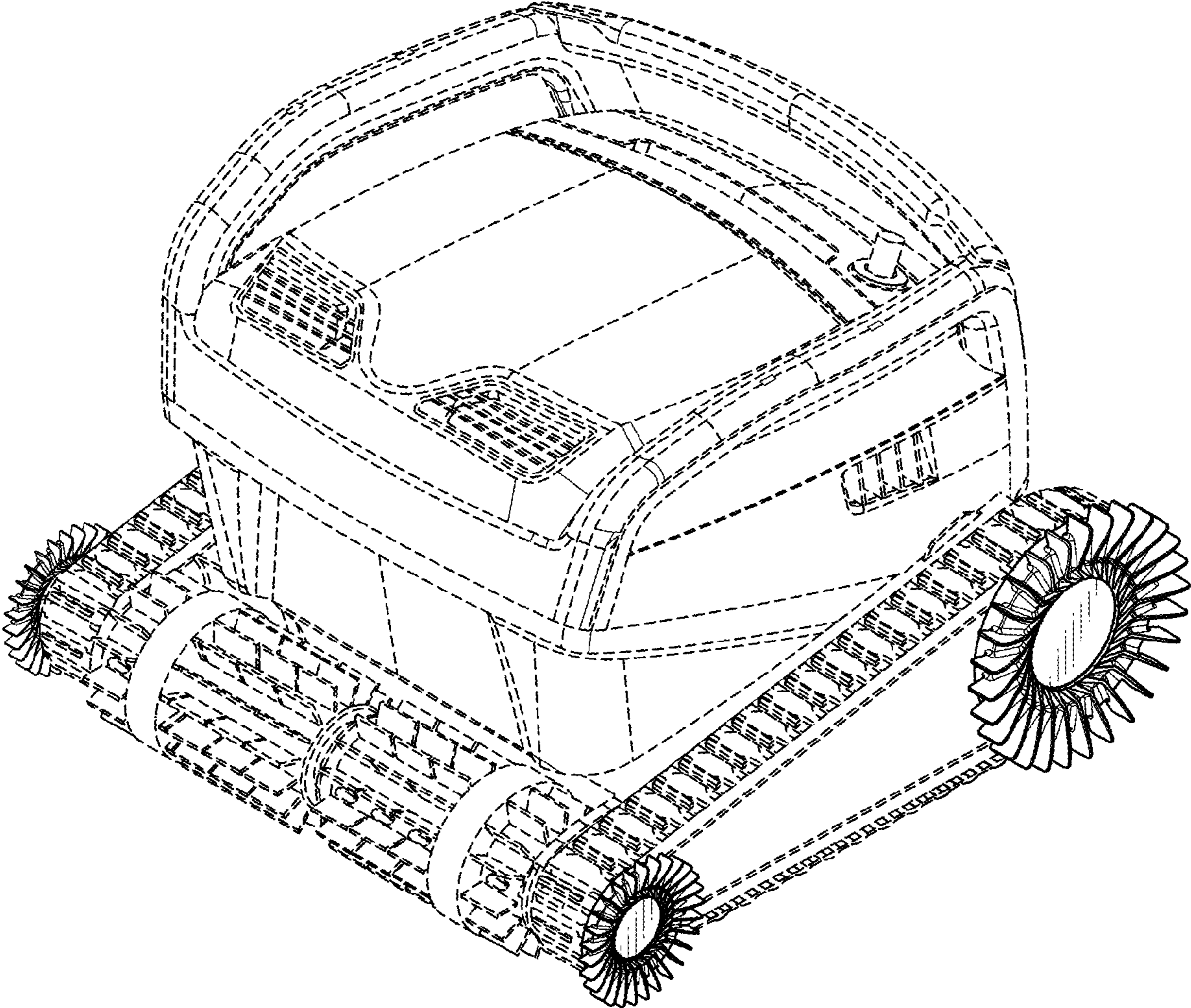


FIG. 1

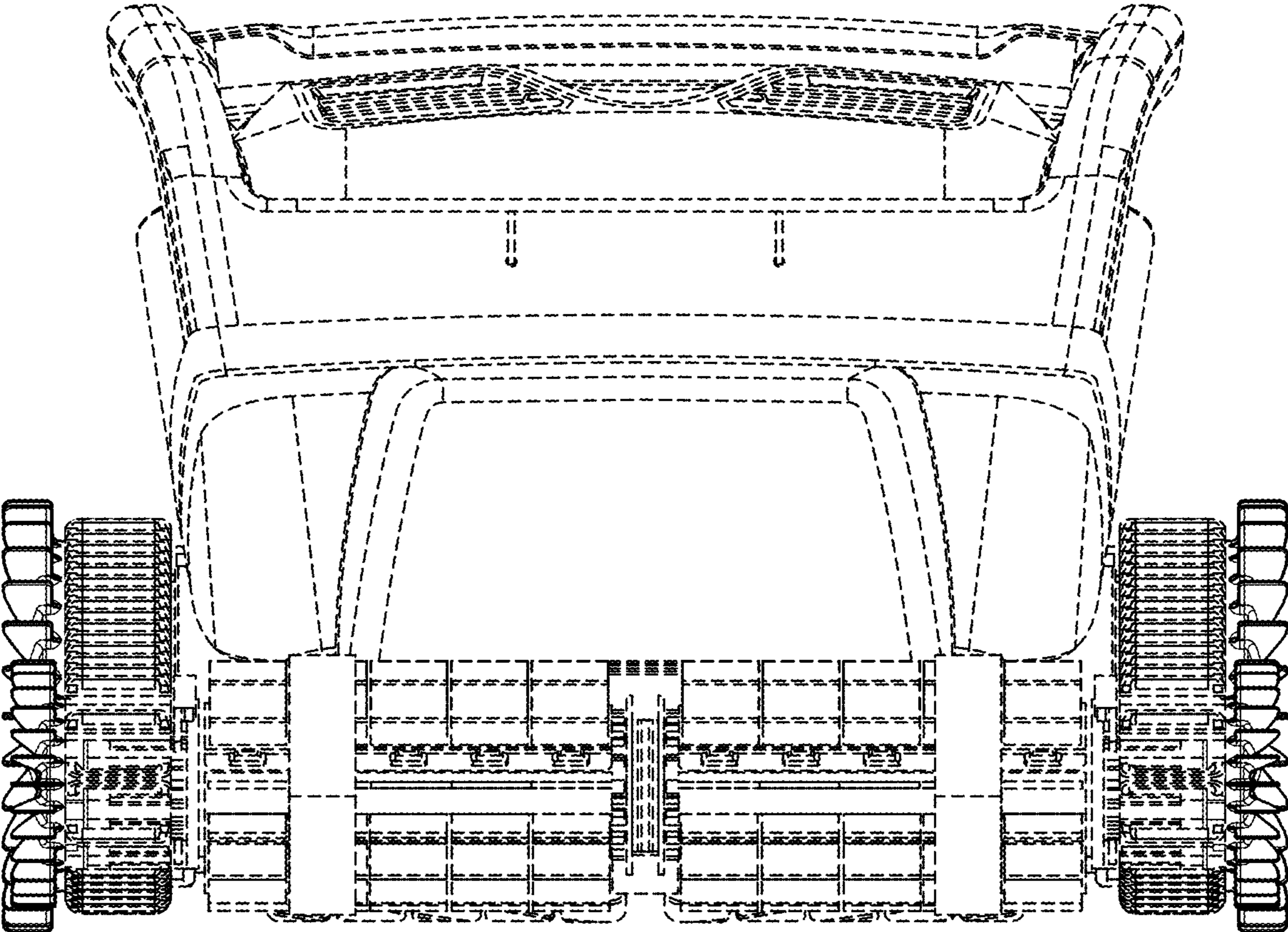


FIG. 2

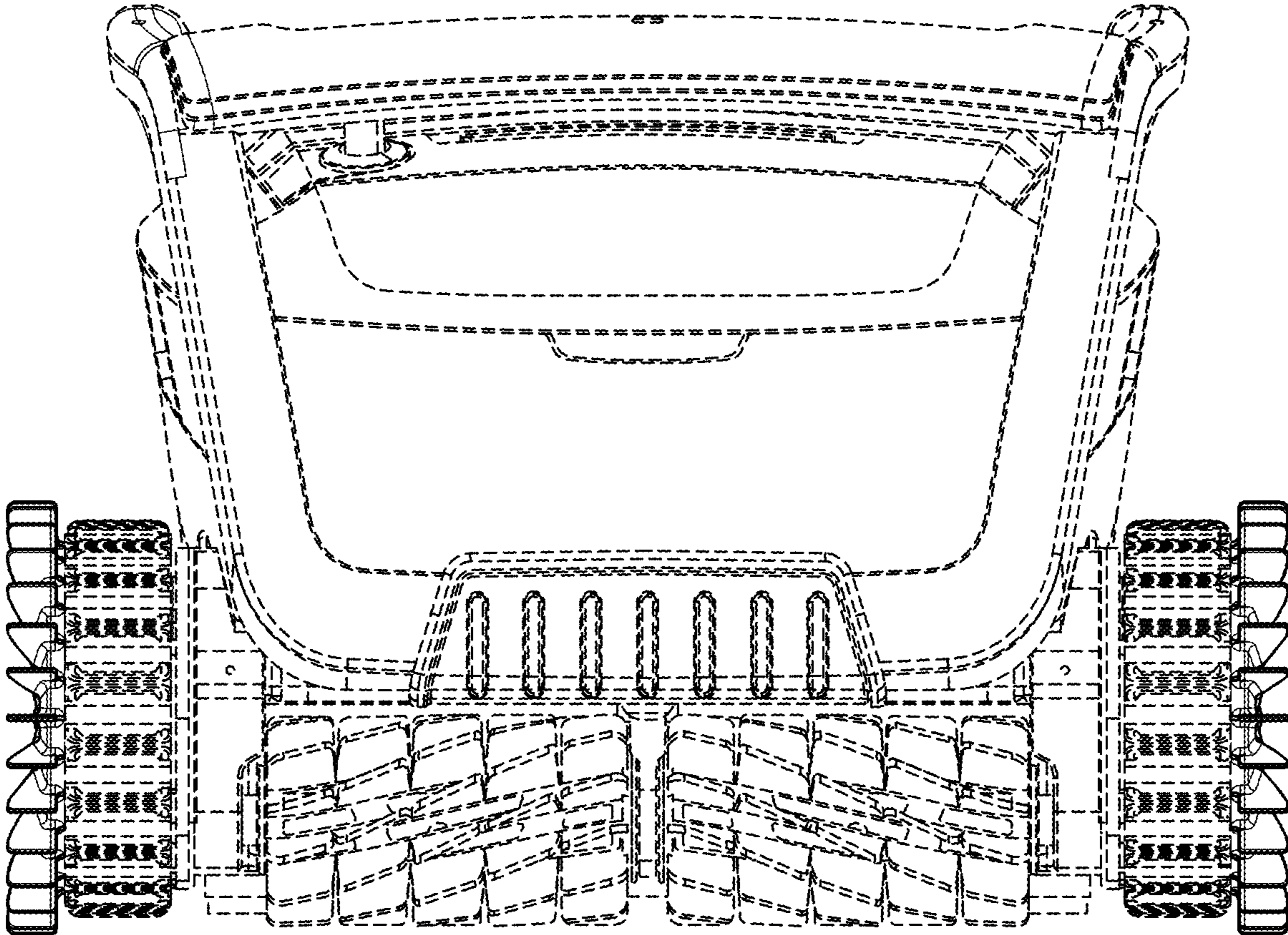


FIG. 3

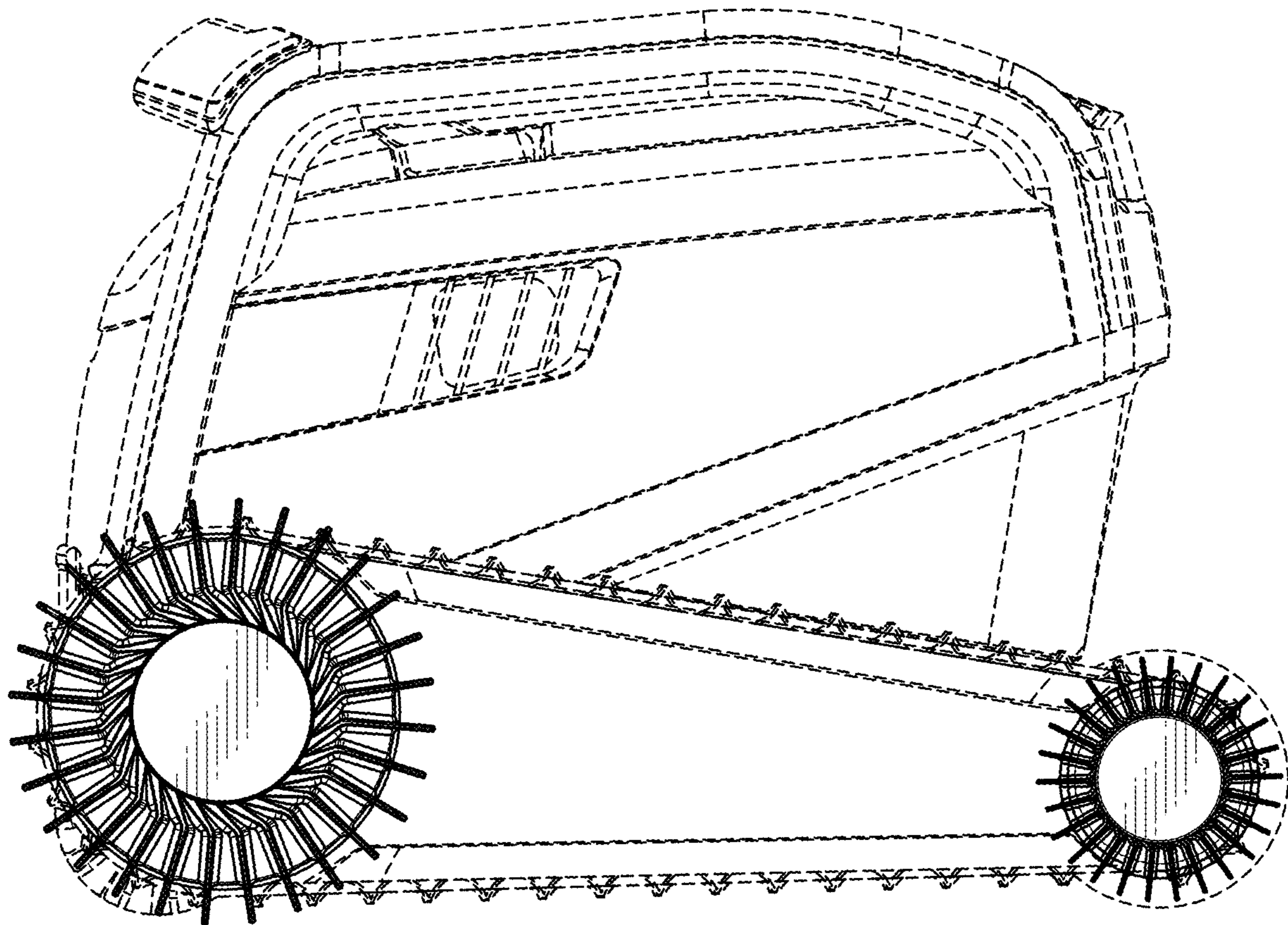


FIG. 4

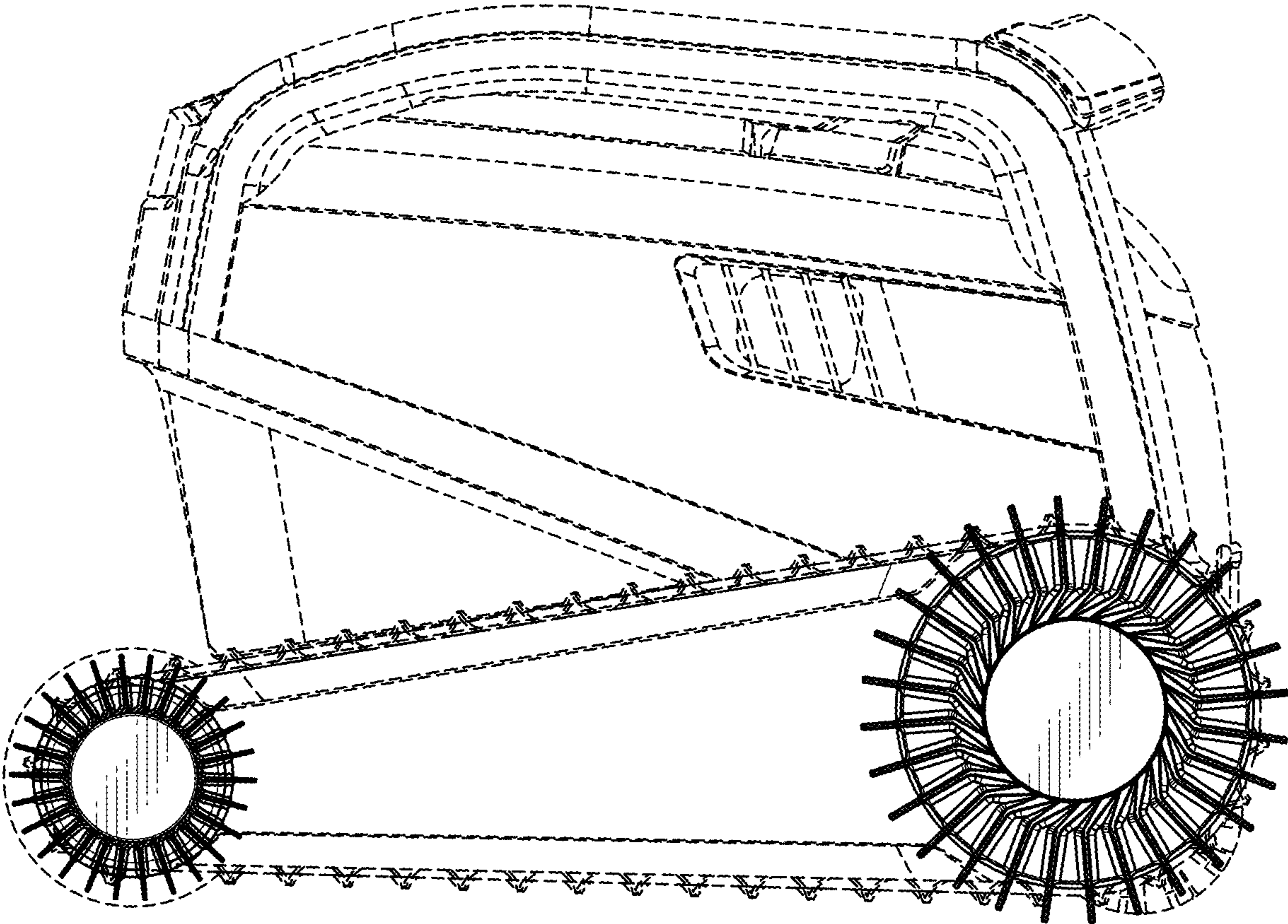


FIG. 5

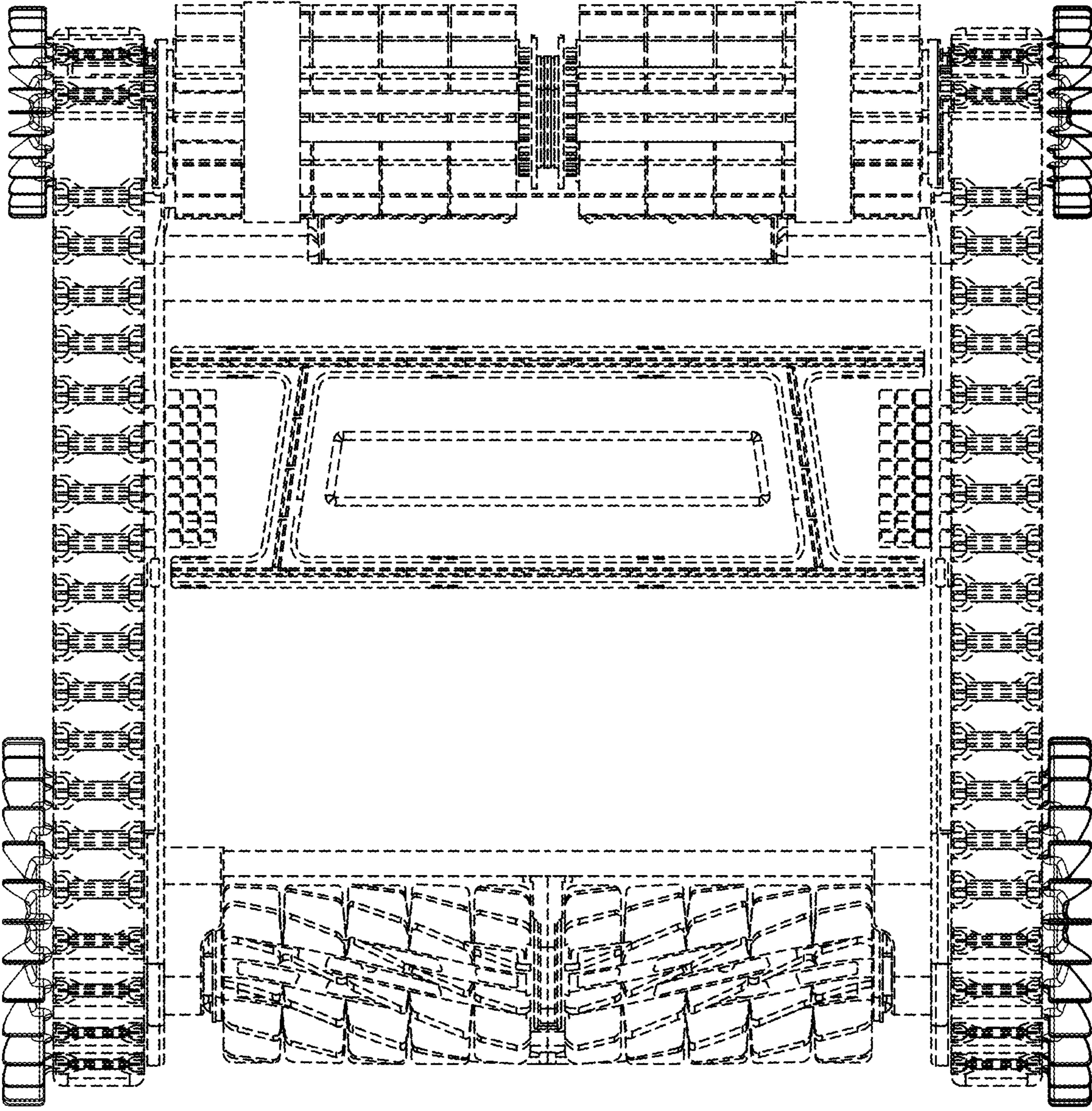


FIG. 6



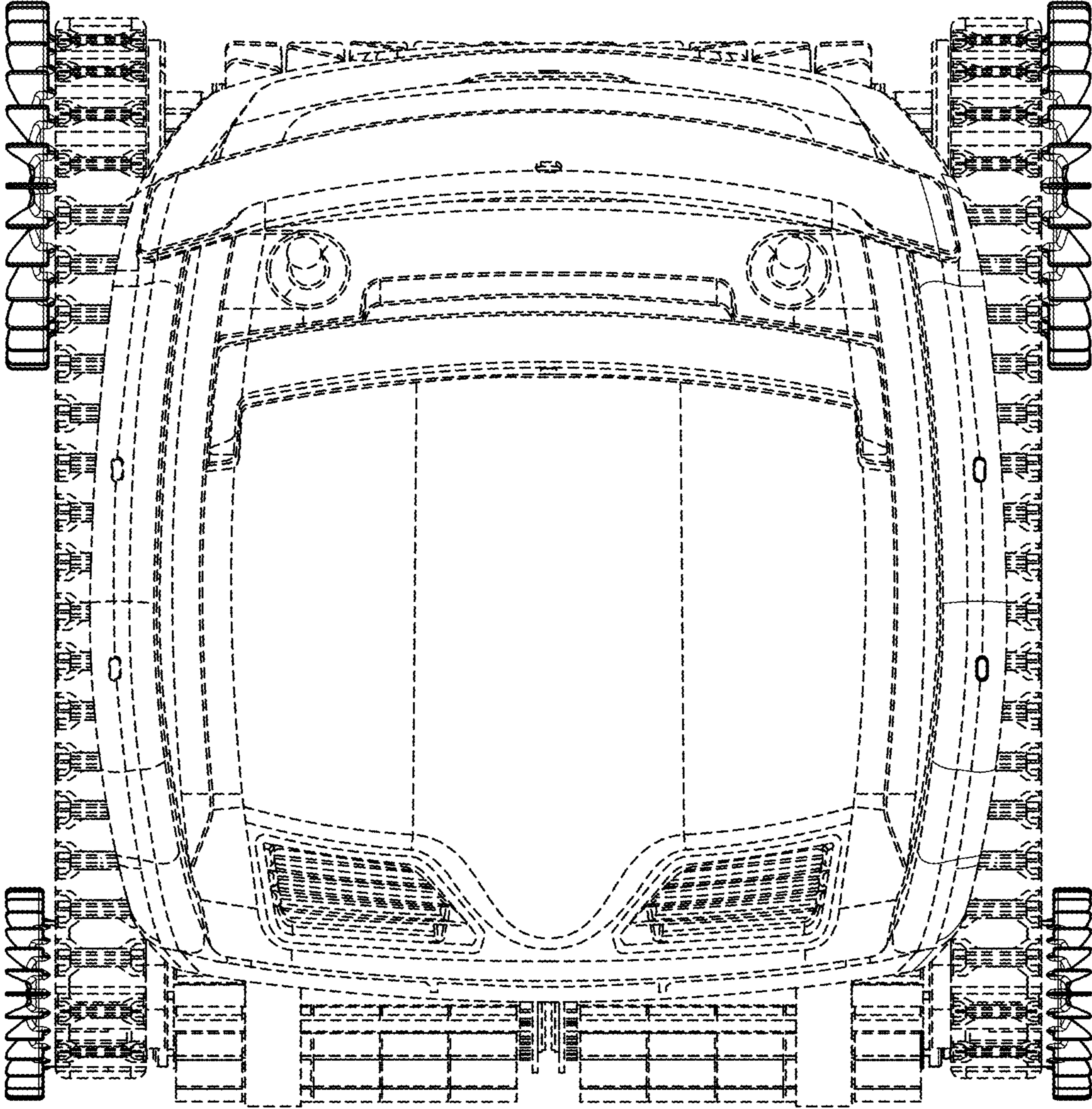


FIG. 7