



US00D942719S

(12) **United States Design Patent** (10) **Patent No.:** **US D942,719 S**  
**Seipp et al.** (45) **Date of Patent:** **\*\* Feb. 1, 2022**

(54) **DUST EXTRACTOR**  
(71) Applicant: **Black & Decker Inc.**, New Britain, CT (US)  
(72) Inventors: **Jochen Seipp**, Staufenberg (DE); **Stefan D. Gensmann**, Frucht (DE); **Fabian Riedl**, Frankfurt (DE); **Stefan Sell**, Mainz (DE)

8,753,047 B2 \* 6/2014 Hahn ..... B23Q 11/0046 408/67  
D842,560 S \* 3/2019 Tschopp ..... D32/21  
D876,734 S \* 2/2020 Chen ..... D32/21  
(Continued)

(73) Assignee: **Black & Decker Inc.**, New Britain, CT (US)

FOREIGN PATENT DOCUMENTS

CN 304981029 \* 1/2019  
GB 3011994 \* 4/2003

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

OTHER PUBLICATIONS

Dust Extractor, available in homedepot.com,customer review oldest date Oct. 24, 2020[online],[visited Nov. 16, 2020],Available from URL: [https://www.homedepot.com/p/DEWALT-20-Volt-MAX-Brushless-Universal-Dust-Extractor-Tool-Only-DWH161B/314366156?MERCH=REC-\\_pip\\_alternatives\\_-301900128\\_-314366156\\_-N&\(Year: 2020\).](https://www.homedepot.com/p/DEWALT-20-Volt-MAX-Brushless-Universal-Dust-Extractor-Tool-Only-DWH161B/314366156?MERCH=REC-_pip_alternatives_-301900128_-314366156_-N&(Year: 2020).)\*

(21) Appl. No.: **29/684,863**

(22) Filed: **Mar. 25, 2019**

(51) **LOC (13) Cl.** ..... **15-05**

(52) **U.S. Cl.**  
USPC ..... **D32/21**

(58) **Field of Classification Search**  
USPC .... D32/17, 18, 21, 23, 24, 31; D3/276, 294; D8/70  
CPC ..... A47L 5/24; A47L 5/28; A47L 5/30; A47L 5/34; A47L 9/04; A47L 9/1683; A47L 11/30; A47L 11/302; A47L 11/34; A47L 11/4005; A47L 11/4008; A47L 11/4016; A47L 11/4041; A47L 11/4044; A47L 11/4011; A47L 11/4038; B04C 5/185; B25J 9/0003; B25J 9/1694; B23Q 11/0046; B23Q 11/0071; E04H 4/1636

See application file for complete search history.

(Continued)

*Primary Examiner* — Dana K Weiland  
*Assistant Examiner* — Jennylou M Binas  
(74) *Attorney, Agent, or Firm* — Amir R. Rohani

(56) **References Cited**

U.S. PATENT DOCUMENTS

D541,495 S \* 4/2007 DiPasquale ..... D32/18  
D558,410 S \* 12/2007 Hill ..... D32/21  
D581,609 S \* 11/2008 Conrad ..... D32/18  
D636,547 S \* 4/2011 Moore, Jr. .... D32/24  
D664,354 S \* 7/2012 Crevling, Jr. .... D3/274  
D687,195 S \* 7/2013 Sell ..... D32/21

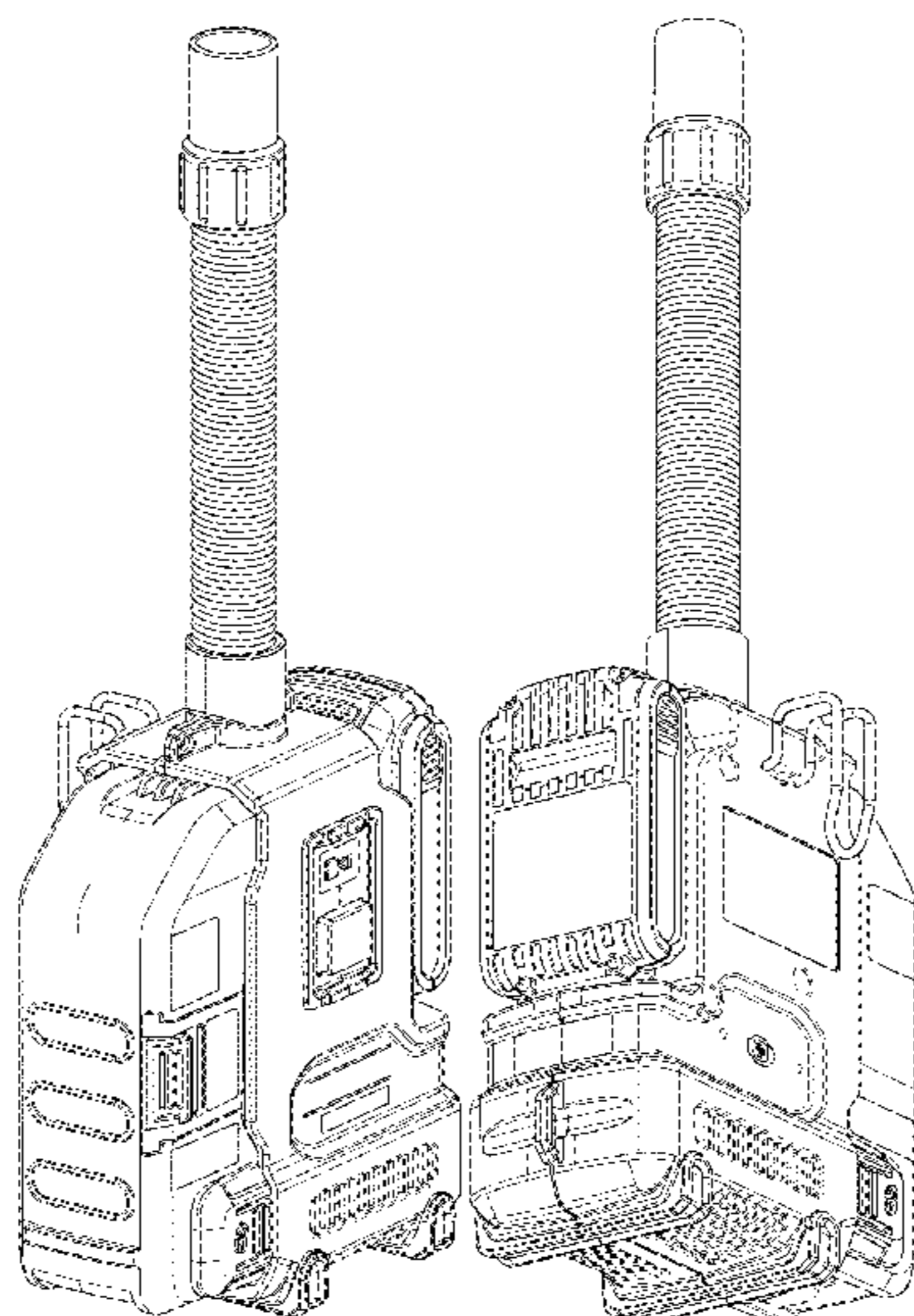
(57) **CLAIM**

The ornamental design for a dust extractor, as shown and described.

**DESCRIPTION**

FIG. 1 is a front view of a dust extractor showing the new design;  
FIG. 2 is a rear view thereof;  
FIG. 3 is a top view thereof;  
FIG. 4 is a bottom view thereof;  
FIG. 5 is a left side view thereof;  
FIG. 6 is a right side view thereof;  
FIG. 7 is a front perspective view thereof; and,  
FIG. 8 is a rear perspective view thereof.  
The broken lines shown in the drawings depict portions of the dust extractor that form no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2018/0220861 A1\* 8/2018 Zhang ..... A47L 7/0023  
2019/0380549 A1\* 12/2019 Liu ..... B01D 46/2411  
2020/0069130 A1\* 3/2020 Mantes ..... A47L 9/20  
2020/0093341 A1\* 3/2020 Bian ..... A47L 9/00

OTHER PUBLICATIONS

Multi-Surface Dust Extractor, available in homedepot.com, customer review oldest date Jul. 14, 2020 [online], [site visited Nov. 16, 2020], Available from the internet URL: <https://www.homedepot.com/p/DEWALT-Multi-Surface-Dust-Extractor-DWH304DH/301900128?MERCH=REC--pipsem--314366642--301900128--N> (Year: 2020).\*

\* cited by examiner

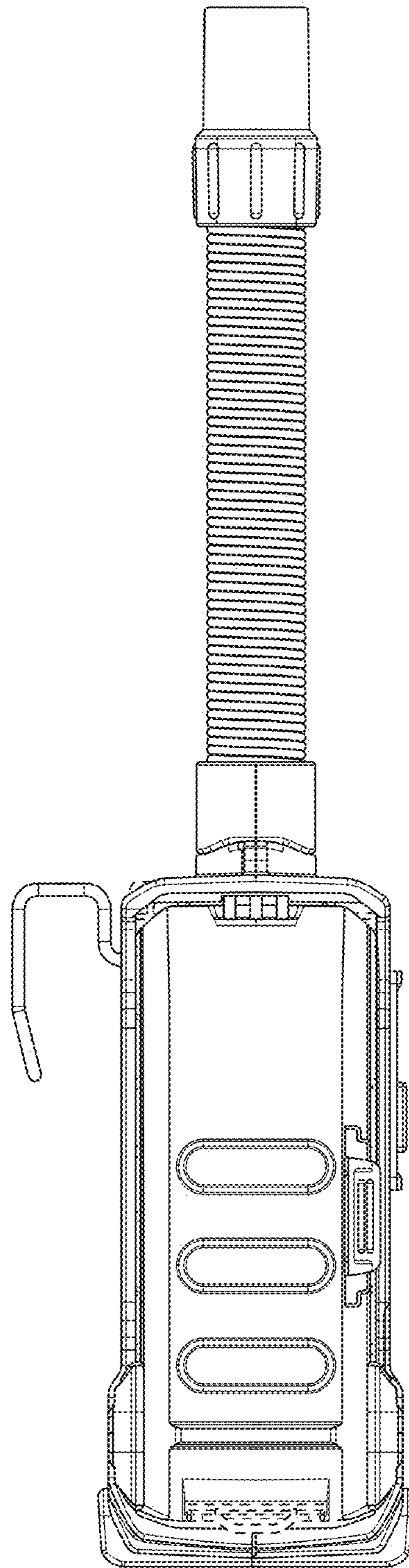


FIG. 1

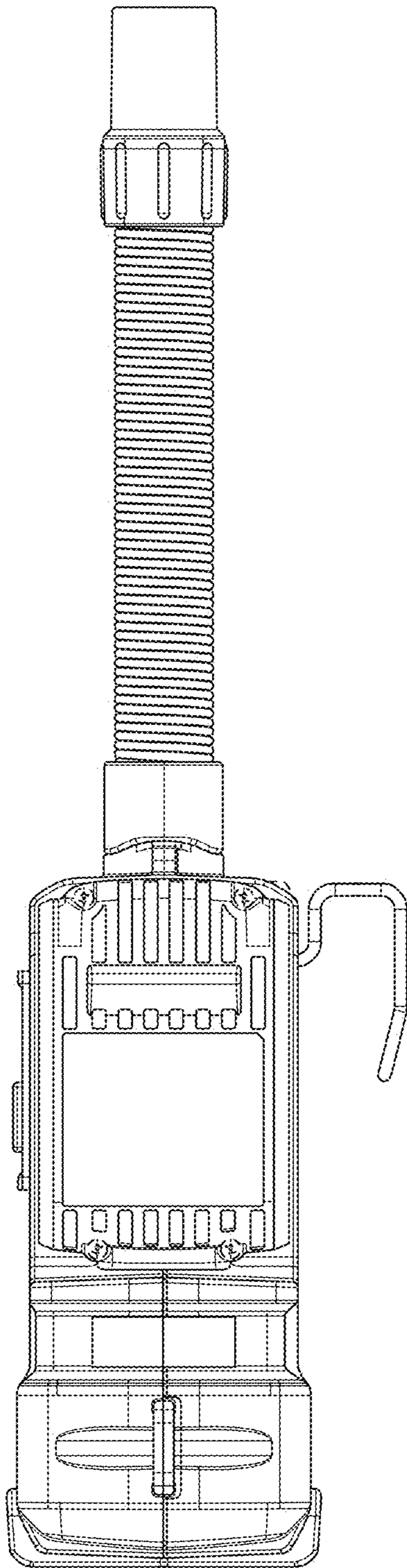


FIG. 2

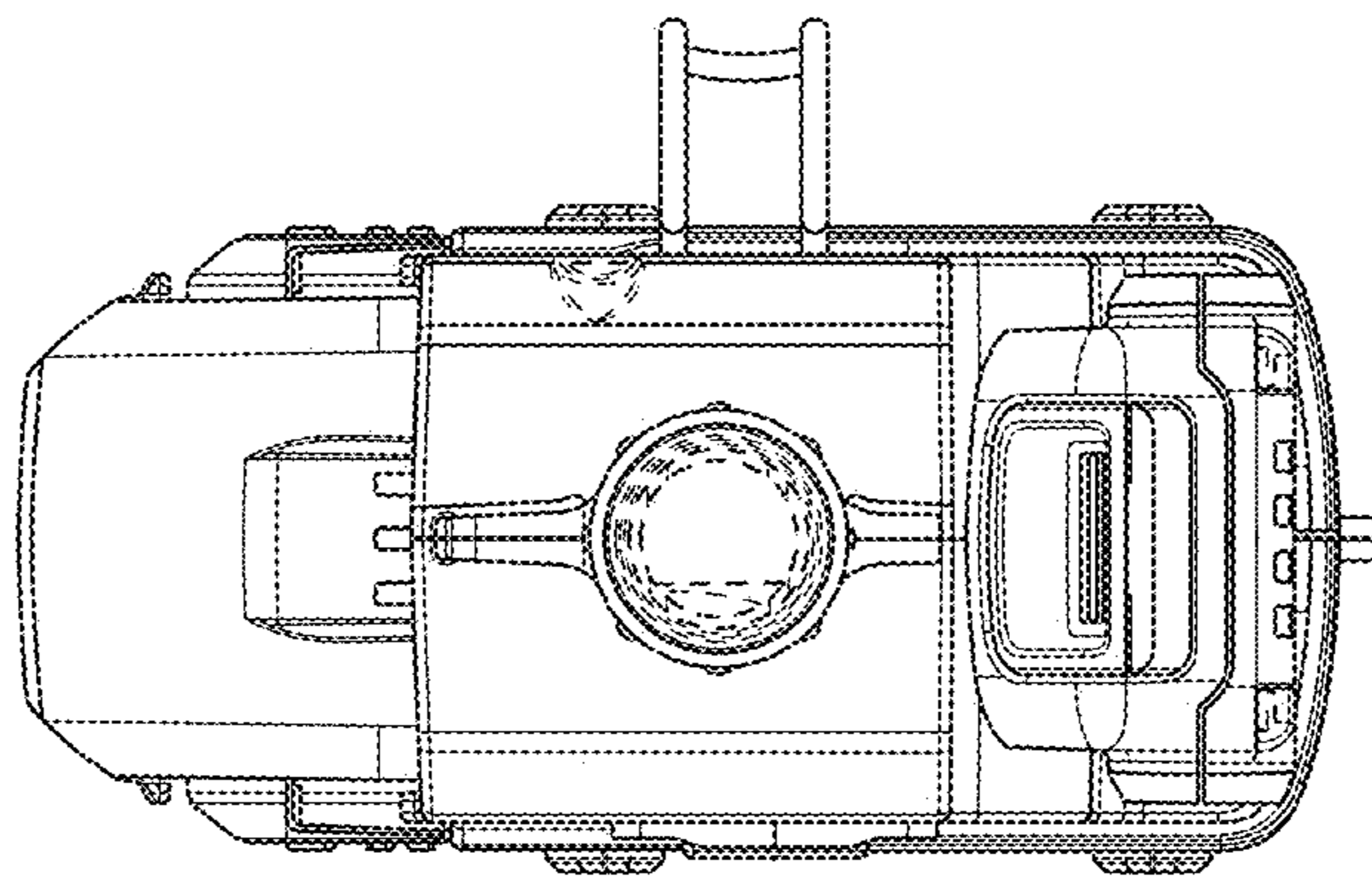


FIG. 3

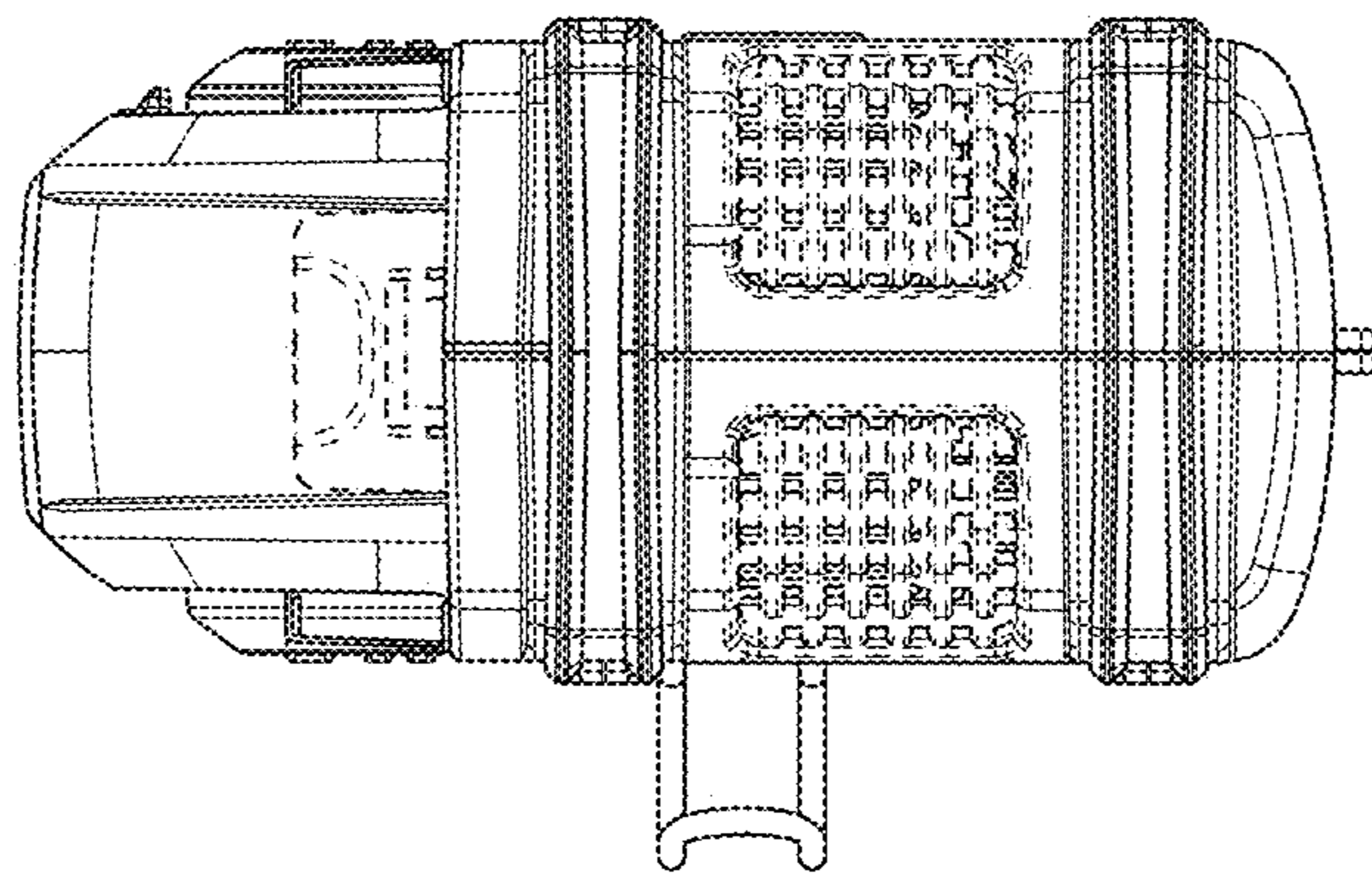


FIG. 4

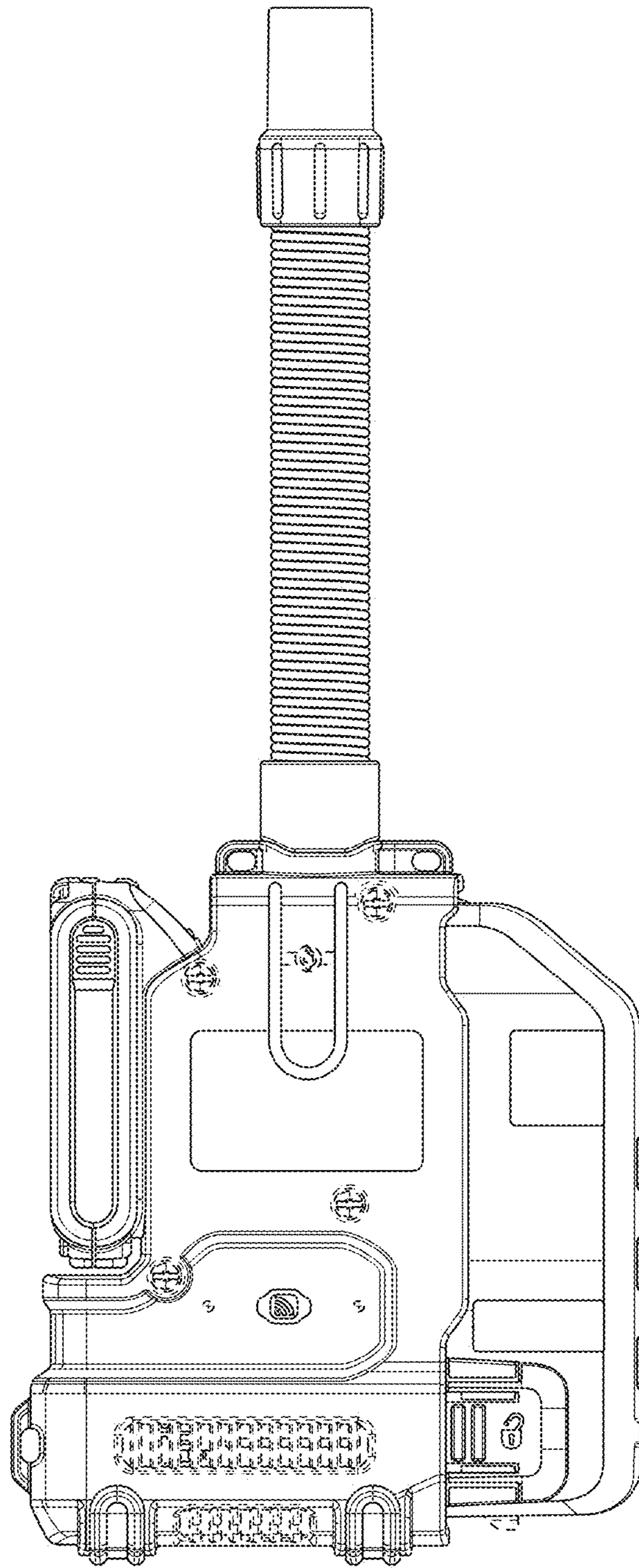


FIG. 5

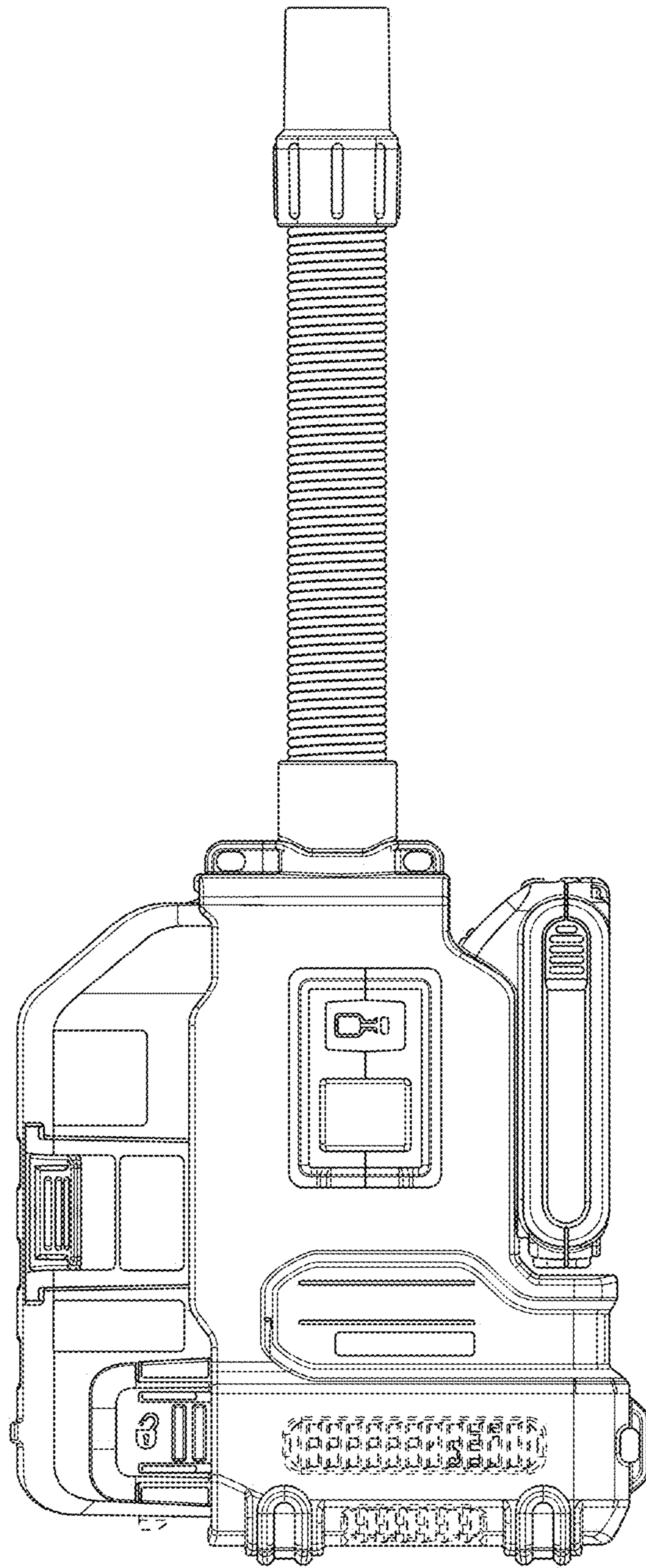


FIG. 6



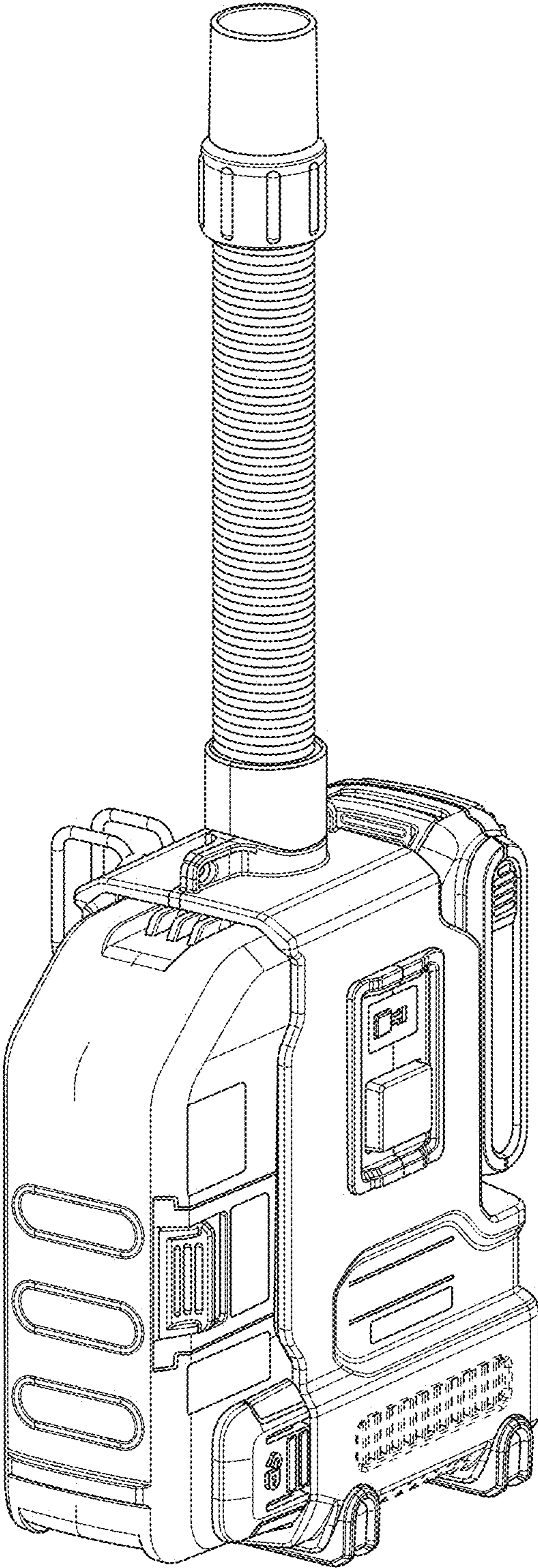


FIG. 7

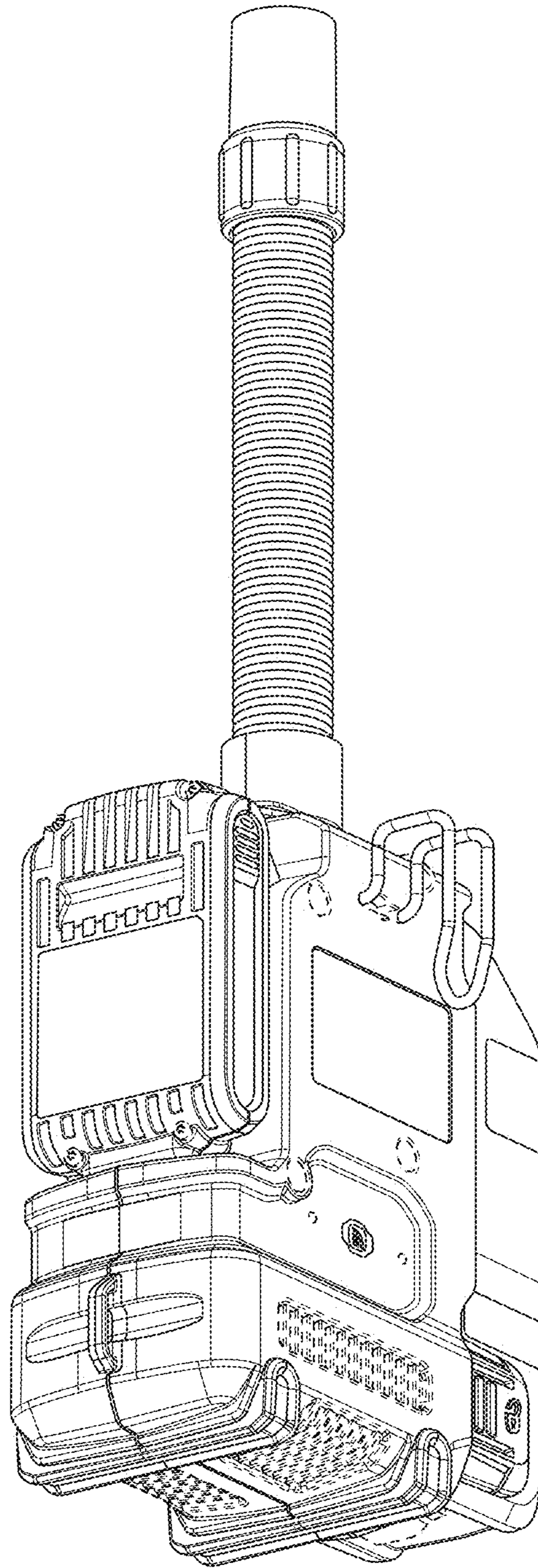


FIG. 8