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(12) **United States Design Patent** (10) **Patent No.:** **US D937,510 S**  
**Xu** (45) **Date of Patent:** **\*\* Nov. 30, 2021**

(54) **VACUUM CLEANER**  
(71) Applicant: **Suzhou Sweep Electric Appliance Co., Ltd.**, Suzhou (CN)  
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(73) Assignee: **Suzhou Sweep Electric Appliance Co., Ltd.**, Suzhou (CN)

D873,516 S \* 1/2020 Palladino ..... D32/32  
D891,014 S \* 7/2020 Chu ..... D32/18  
D911,641 S \* 2/2021 Hu ..... D32/18  
(Continued)

(\*\*) Term: **15 Years**  
(21) Appl. No.: **29/726,752**  
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(51) **LOC (13) Cl.** ..... **15-05**  
(52) **U.S. Cl.**  
USPC ..... **D32/18**

FOREIGN PATENT DOCUMENTS

IN 329413-001-0001 \* 4/2021  
JP D1679696 \* 2/2021

(58) **Field of Classification Search**  
USPC ..... D32/17, 18, 21, 22, 23, 24, 31; D21/526  
CPC ..... A46B 9/06; A47L 5/24; A47L 5/28; A47L 5/30; A47L 5/34; A47L 7/0004; A47L 9/04; A47L 9/325; A47L 9/1683; A47L 11/302; A47L 11/34; A47L 11/4005; A47L 11/4008; A47L 11/4016; A47L 11/4041; A47L 11/4044; A47L 11/4088; A47L 13/225; B04C 5/185; B08B 3/04; B23Q 11/0046; B23Q 11/0071; E04H 4/1636

OTHER PUBLICATIONS

Foxnovo Handheld Vacuum Cleaner Cordless, available in Amazon.com, date first available Apr. 1, 2021 [online], [site visited May 17, 2021], Available from the internet URL: [https://www.amazon.com/dp/B08W1KT1KH/ref=cm\\_sw\\_r\\_em\\_apa\\_glt\\_fabc\\_MCVB5D4KTH1FGWB5G18W?\\_encoding=UTF8&psc=1](https://www.amazon.com/dp/B08W1KT1KH/ref=cm_sw_r_em_apa_glt_fabc_MCVB5D4KTH1FGWB5G18W?_encoding=UTF8&psc=1) (Year: 2021).\*

See application file for complete search history.

(Continued)

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(56) **References Cited**  
U.S. PATENT DOCUMENTS

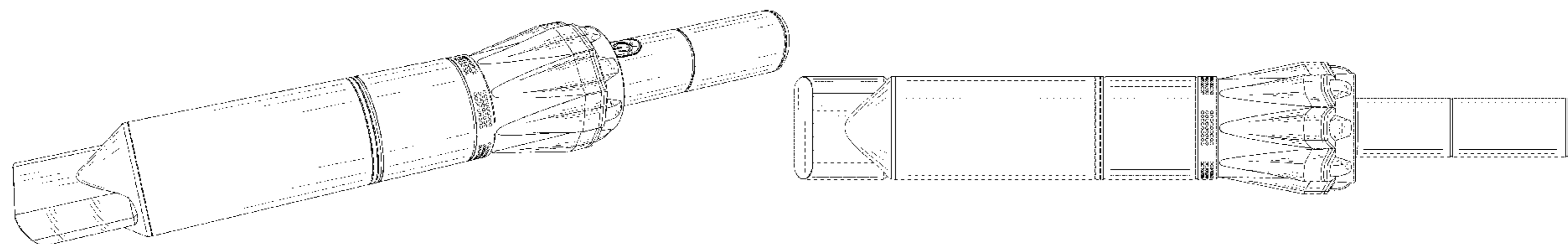
D303,856 S \* 10/1989 Yuen ..... D32/18  
D314,650 S \* 2/1991 Pudwill ..... D32/18  
D398,099 S \* 9/1998 Leung ..... D32/22  
D708,803 S \* 7/2014 Dyson ..... D32/31  
D743,125 S \* 11/2015 Lee ..... D32/22  
D785,260 S \* 4/2017 Lin ..... D32/31  
D812,829 S \* 3/2018 Shin ..... D06F 87/00  
D855,910 S \* 8/2019 Gammack ..... D32/18  
D861,268 S \* 9/2019 Meyer ..... D32/22

(57) **CLAIM**  
The ornamental design for a vacuum cleaner, as shown and described.

**DESCRIPTION**

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

**1 Claim, 6 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2019/0328188 A1\* 10/2019 Conrad ..... A47L 9/1608

OTHER PUBLICATIONS

Handheld Vacuum Cleaner Cellay, available in Amazon.co.uk, date first available Apr. 1, 2021 [online], [site visited May 17, 2021], Available from the internet URL: [https://www.amazon.co.uk/dp/B08TBWXCYP/ref=cm\\_sw\\_em\\_r\\_mt\\_imm\\_awdb\\_QS52PHPPCZGSEB26FE7P?\\_encoding=UTF8&psc=1](https://www.amazon.co.uk/dp/B08TBWXCYP/ref=cm_sw_em_r_mt_imm_awdb_QS52PHPPCZGSEB26FE7P?_encoding=UTF8&psc=1) (Year: 2021).\*

Moosoo H12K handheld cordless vacuum review, available in Youtube.com, announced Feb. 13, 2020 [online], [site visited May 17, 2021], Internet URL: <https://www.youtube.com/watch?v=B6ACv56HeN4> (Year: 2020).\*

MooSoo K12, available in Youtube.com, announced Sep. 17, 2019 [online], [site visited May 18, 2021], Internet URL: <https://www.youtube.com/watch?v=7R7zJx7sVzU> (Year: 2019).\*

\* cited by examiner

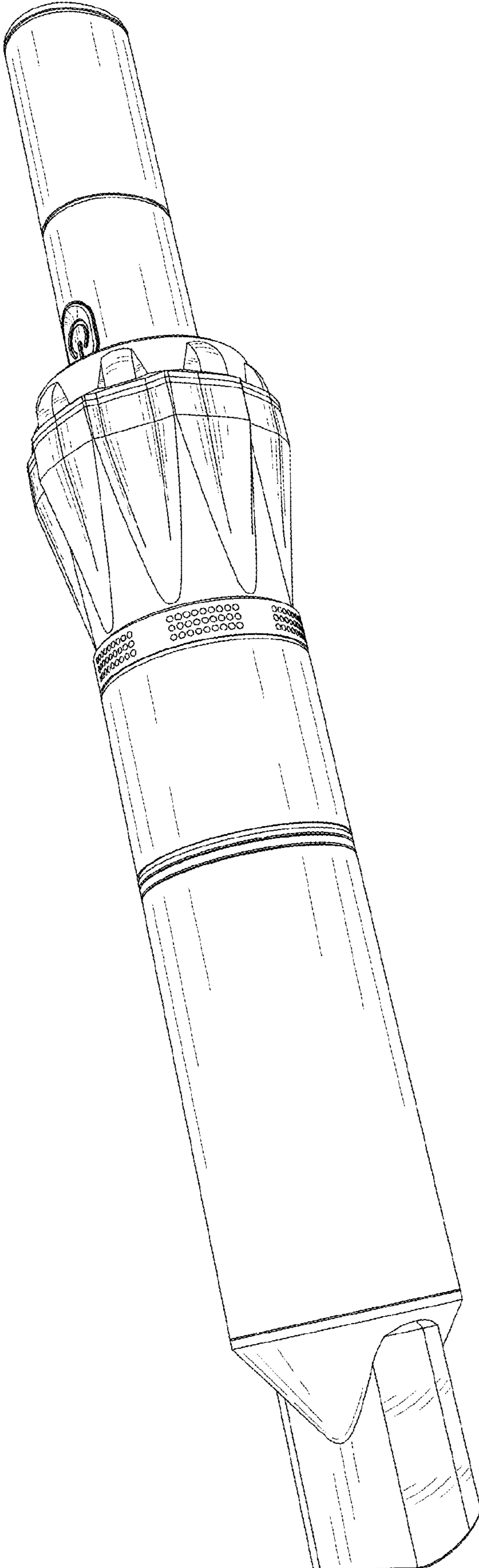


FIG. 1

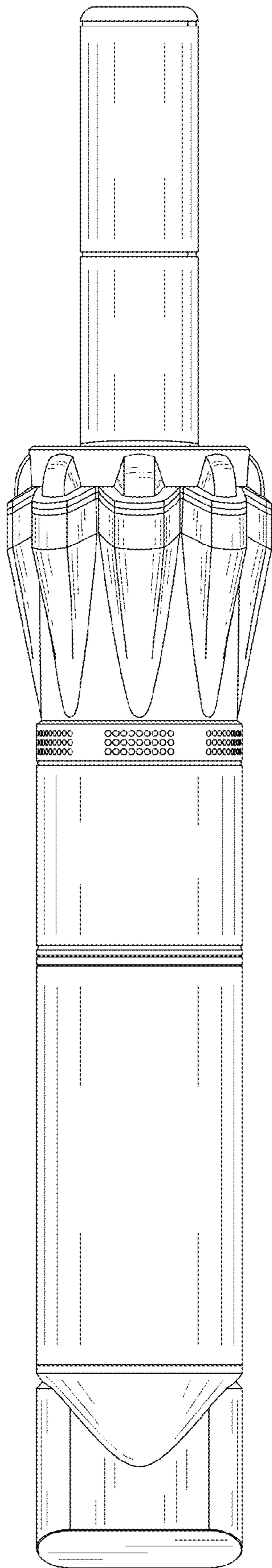


FIG. 2

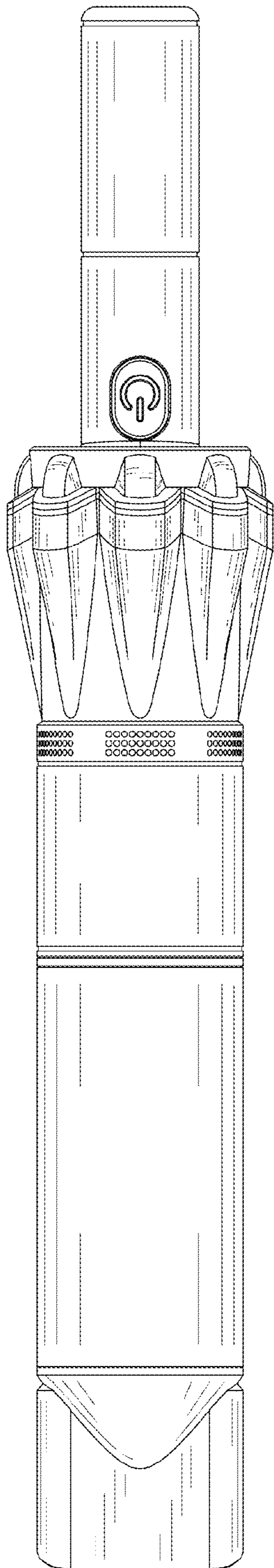


FIG. 3

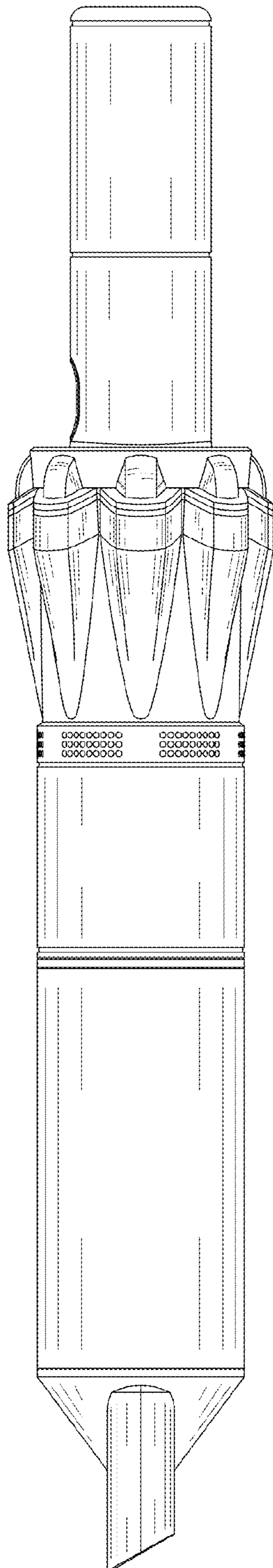


FIG. 4

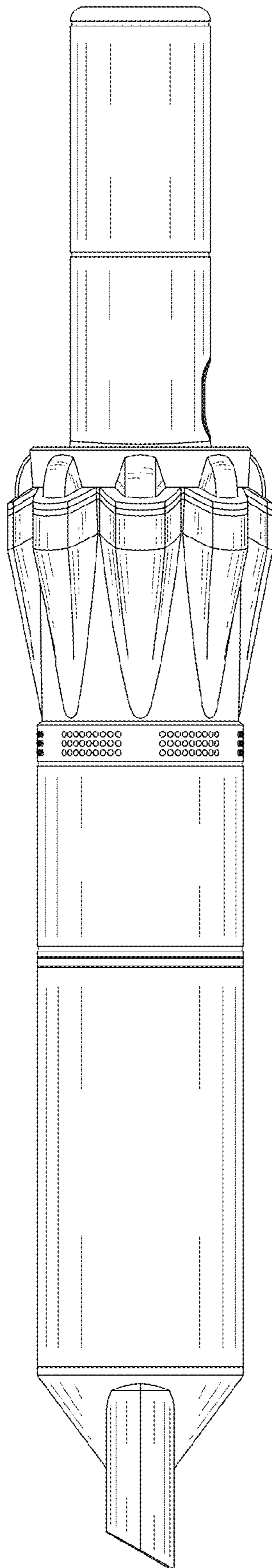


FIG. 5

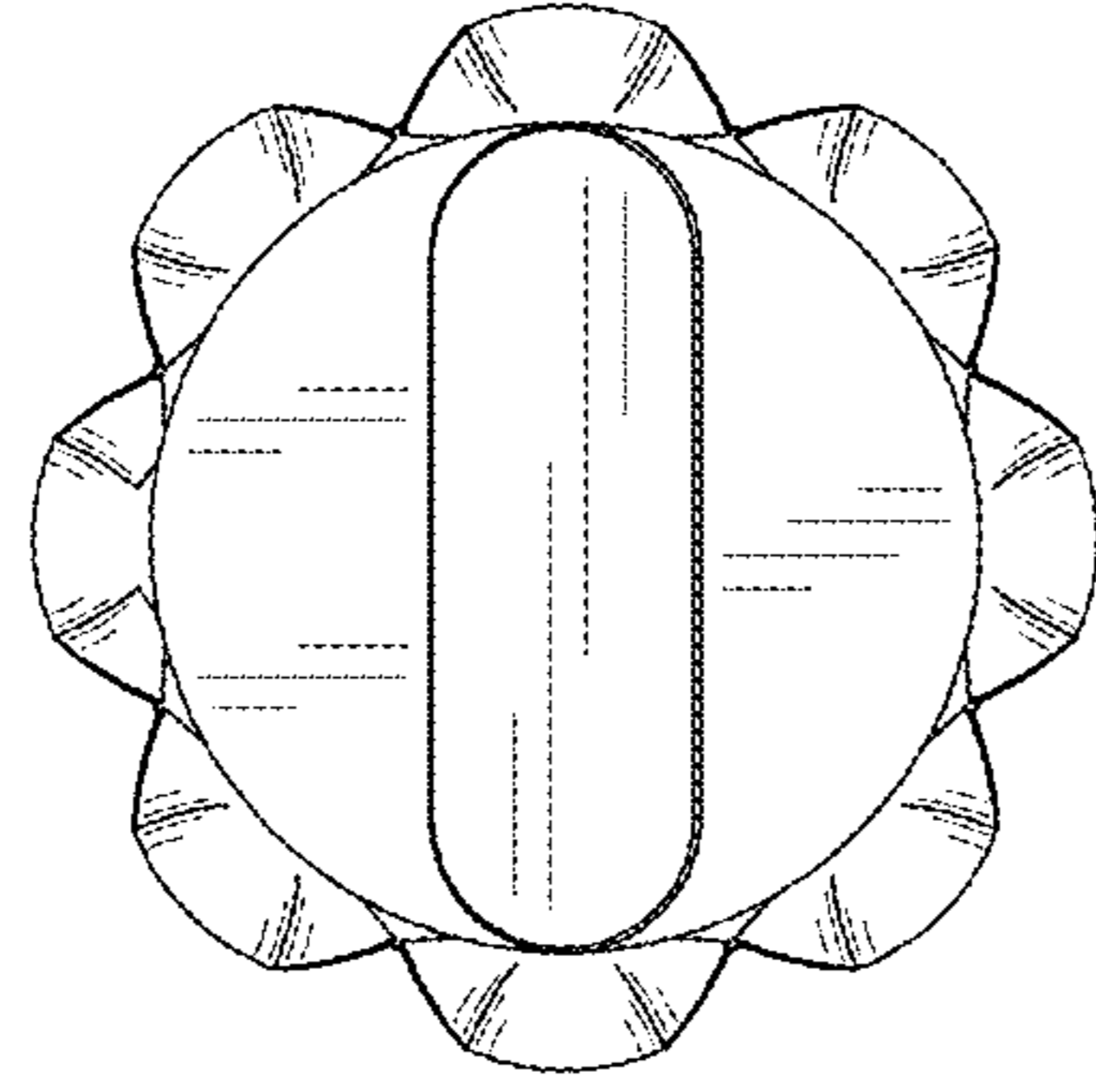


FIG. 7

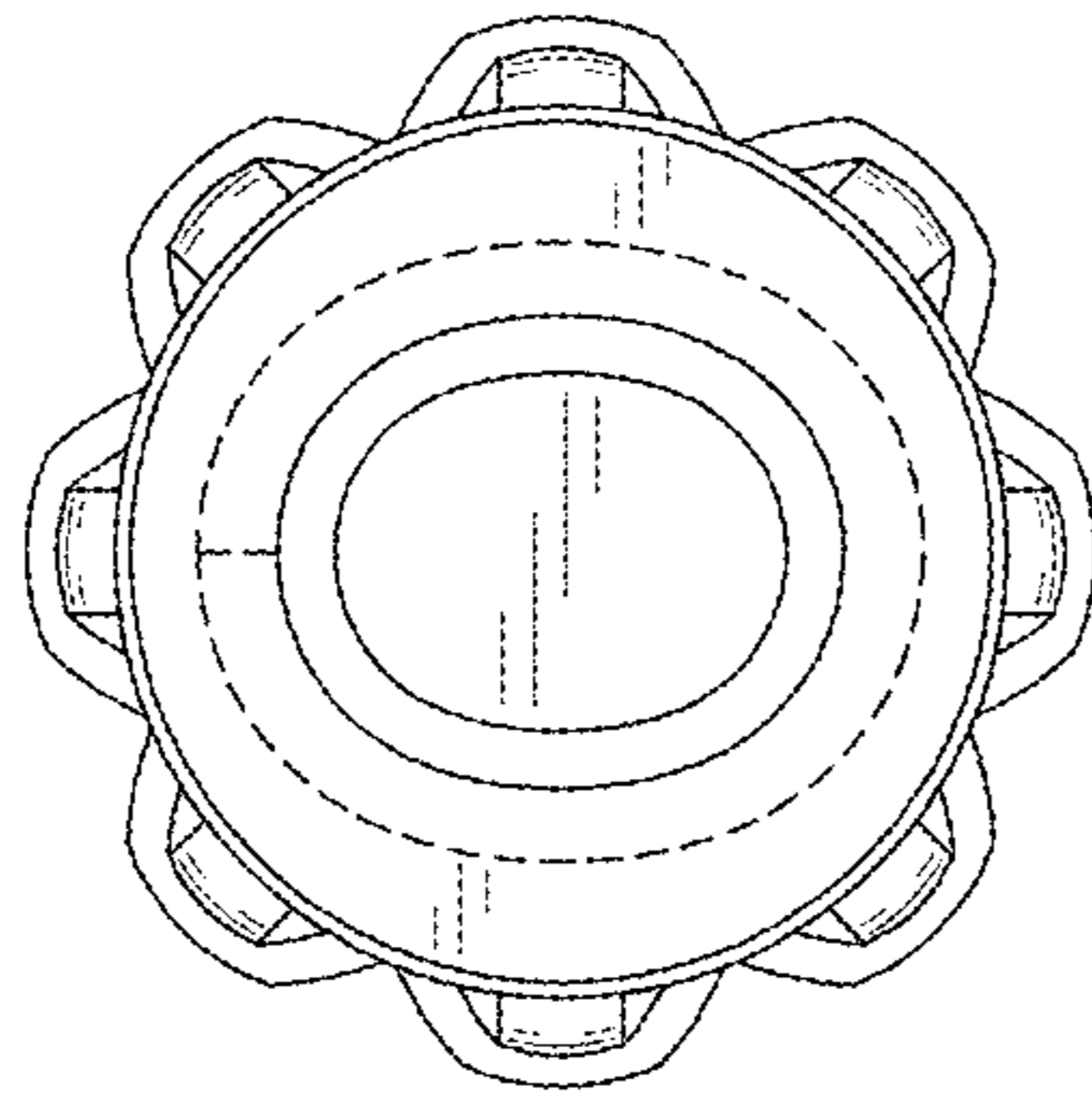


FIG. 6