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(12) **United States Design Patent** (10) **Patent No.:** **US D912,920 S**  
**Tao et al.** (45) **Date of Patent:** **\*\* Mar. 9, 2021**

(54) **ELECTRIC MOP**

D882,898 S \* 4/2020 Kim ..... D32/50  
10,791,889 B2 \* 10/2020 Conrad ..... A47L 9/122  
2004/0031506 A1 \* 2/2004 Tsai ..... A47L 11/4086  
134/105

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(Continued)

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FOREIGN PATENT DOCUMENTS

CN 305600535 \* 2/2020  
CN 305725782 \* 4/2020

(73) Assignee: **SHENZHEN FCY TECHNOLOGIES CO., LTD.**, Shenzhen (CN)

OTHER PUBLICATIONS

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

China Three Round Head Magic Spray Flat Swivel mop, Yaxiang MDPX website. <https://m.mop-x.com/three-round-head-magic-spray-flat-swivel-mop.html>, site visited Oct. 22, 2020.\*

(21) Appl. No.: **29/714,539**

*Primary Examiner* — John R Yeh

(22) Filed: **Nov. 24, 2019**

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

(57) **CLAIM**

(52) **U.S. Cl.**  
USPC ..... **D32/50; D32/15**

The ornamental design for an electric mop, as shown and described.

(58) **Field of Classification Search**  
USPC ..... D32/15, 17, 22, 24, 40, 45, 50–52  
CPC . B08B 3/00; A47L 11/34; A47L 13/12; A47L 13/22; A47L 11/30  
See application file for complete search history.

**DESCRIPTION**

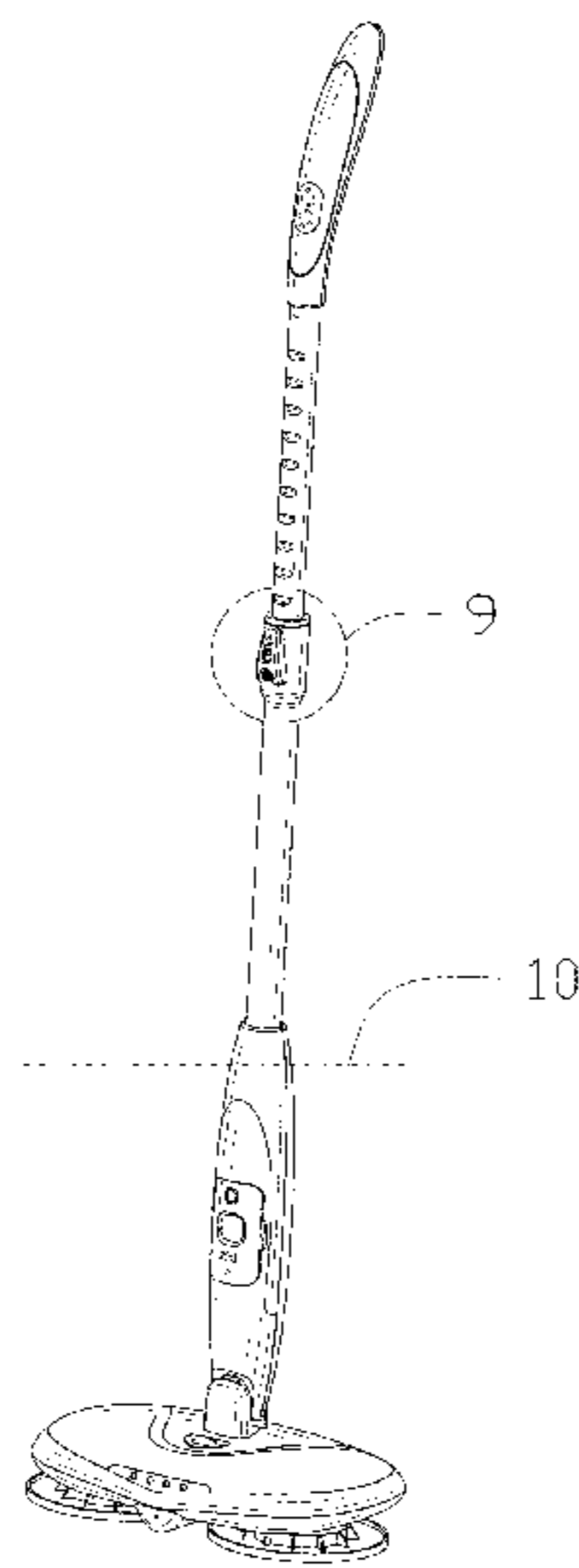
(56) **References Cited**

U.S. PATENT DOCUMENTS

6,895,626 B2 \* 5/2005 Tsai ..... A47L 11/34  
15/50.1  
D530,462 S \* 10/2006 Davis ..... D32/15  
D544,668 S \* 6/2007 Harper ..... D32/51  
D570,061 S \* 5/2008 Busse ..... D32/19  
D795,518 S \* 8/2017 Chung ..... D32/45  
D806,971 S \* 1/2018 Woo ..... D32/45  
10,085,610 B2 \* 10/2018 Perry ..... A47L 11/4091  
D838,420 S \* 1/2019 Khubani ..... D32/38  
D855,271 S \* 7/2019 Liang ..... D32/50  
D858,016 S \* 8/2019 Casini ..... D32/15  
D862,011 S \* 10/2019 Kim ..... D32/22  
D864,512 S \* 10/2019 Wu ..... D32/50  
D866,898 S \* 11/2019 Tao ..... D32/50

FIG. 1 is a front, top perspective view of an electric mop showing my new design;  
FIG. 2 is a rear, bottom perspective view thereof;  
FIG. 3 is a front elevational view thereof;  
FIG. 4 is a rear elevational view thereof;  
FIG. 5 is a left side elevational view thereof;  
FIG. 6 is a right side elevational view thereof;  
FIG. 7 is a top plan view thereof;  
FIG. 8 is a bottom plan view thereof;  
FIG. 9 is an enlarged view of the indicated portion 9 shown in FIG. 1; and,  
FIG. 10 is an enlarged view of the indicated portion 10 shown in FIG. 1.  
The broken lines in the drawings depict portions of the electric mop that form no part of the claimed design. The dot-dash lines indicate enlargements and form no part of the claimed design.

**1 Claim, 10 Drawing Sheets**



(56)

**References Cited**

U.S. PATENT DOCUMENTS

2005/0251941 A1\* 11/2005 Berhoff ..... B25G 3/18  
15/145  
2011/0020051 A1\* 1/2011 Robertson ..... A47L 13/254  
401/268  
2015/0107045 A1\* 4/2015 Johnson ..... A47L 13/22  
15/320  
2018/0235425 A1\* 8/2018 Ding ..... A47L 11/161  
2019/0328201 A1\* 10/2019 Shin ..... A47L 11/4083

\* cited by examiner

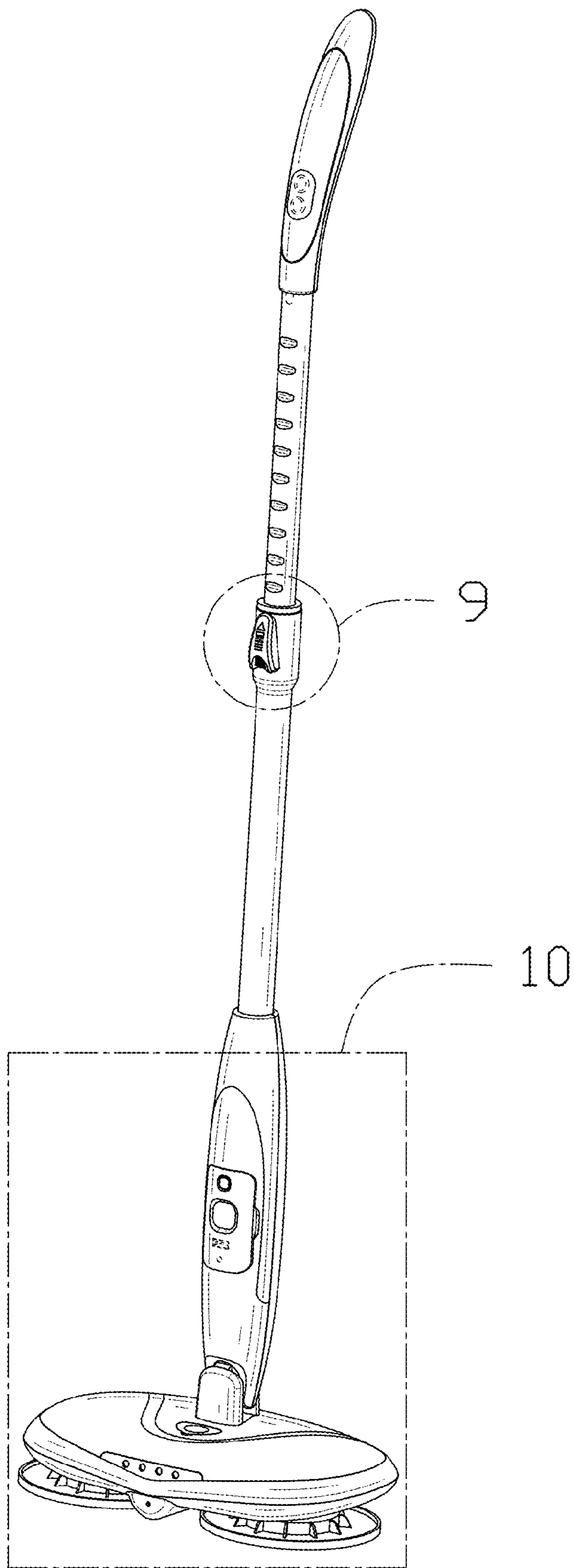


FIG. 1

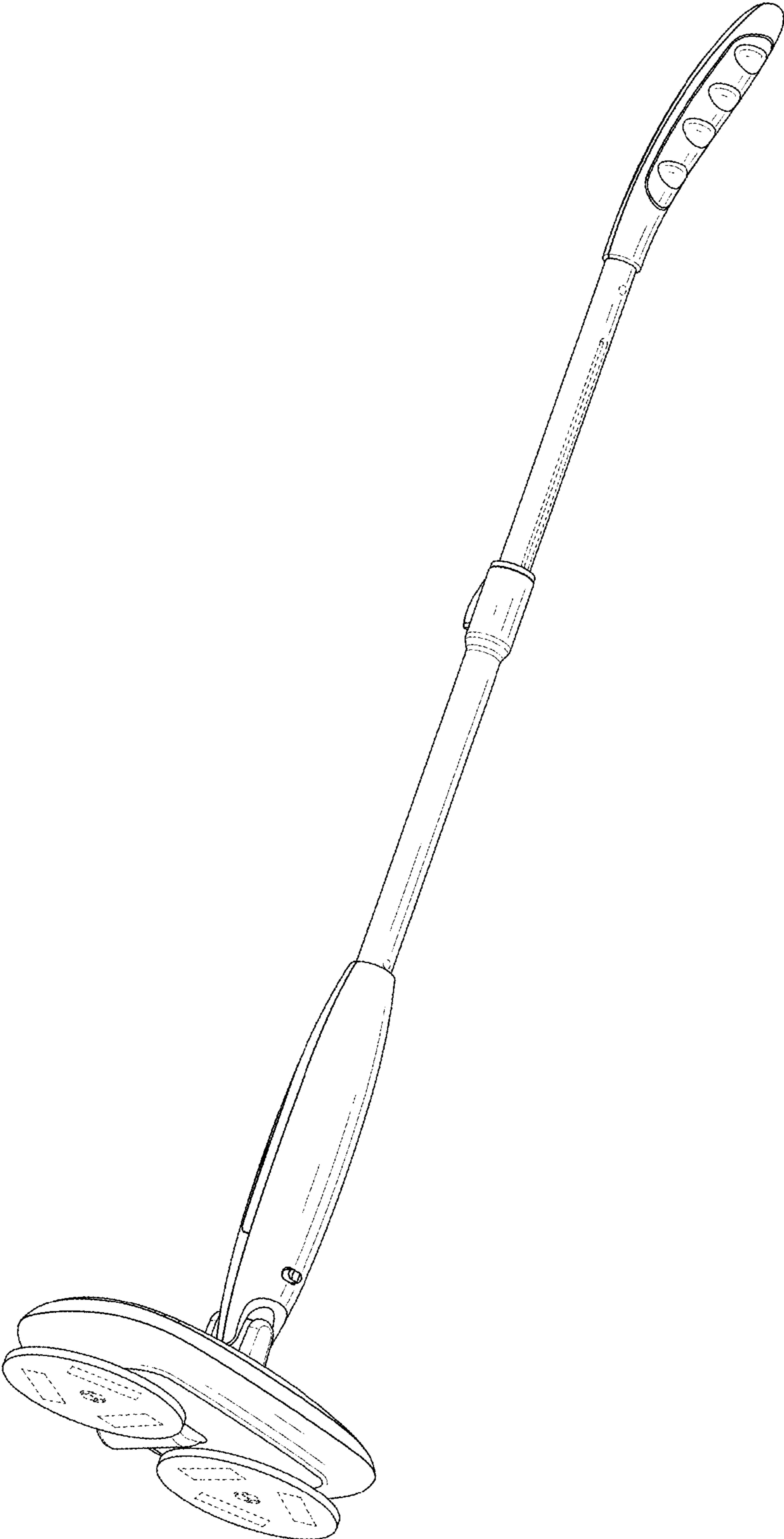


FIG. 2

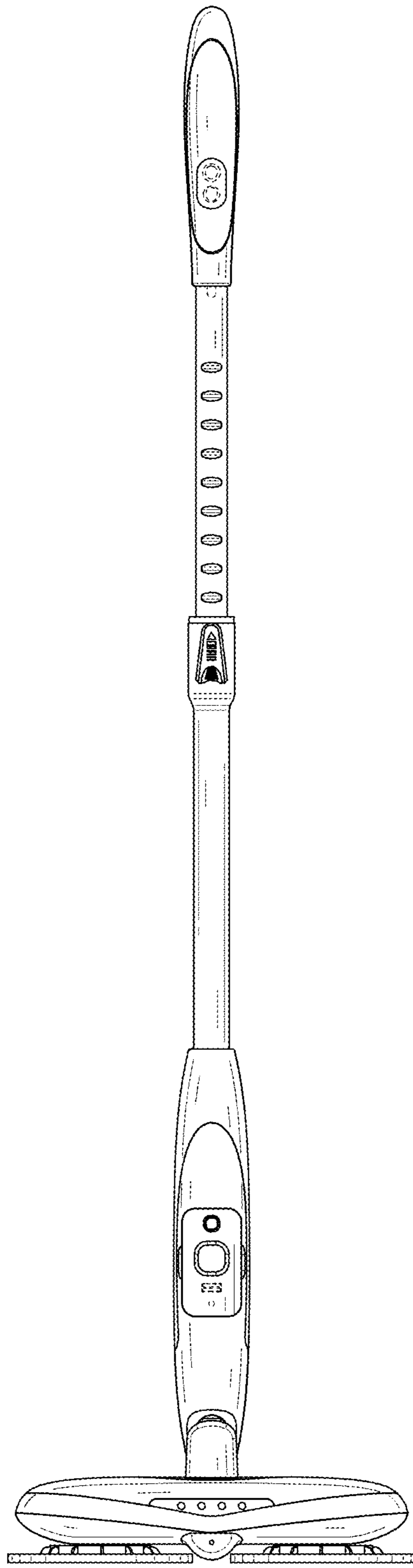


FIG. 3

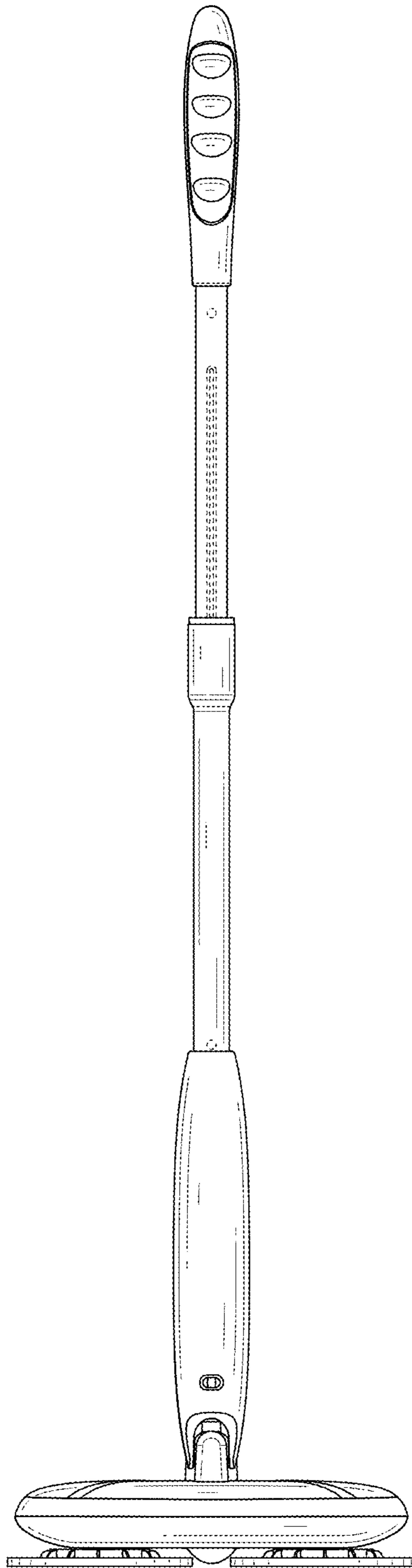


FIG. 4

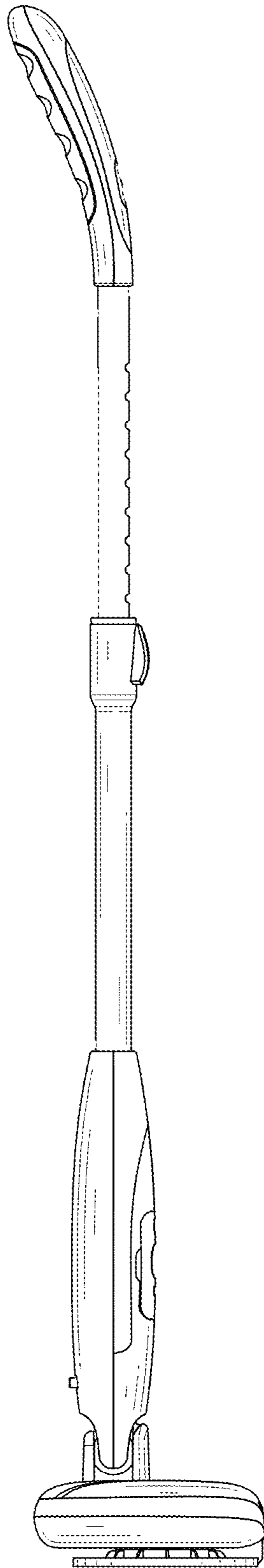


FIG. 5

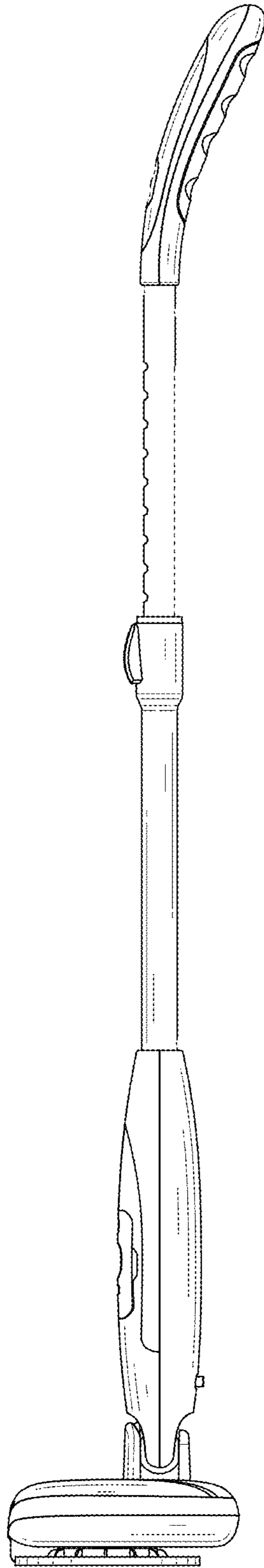


FIG. 6



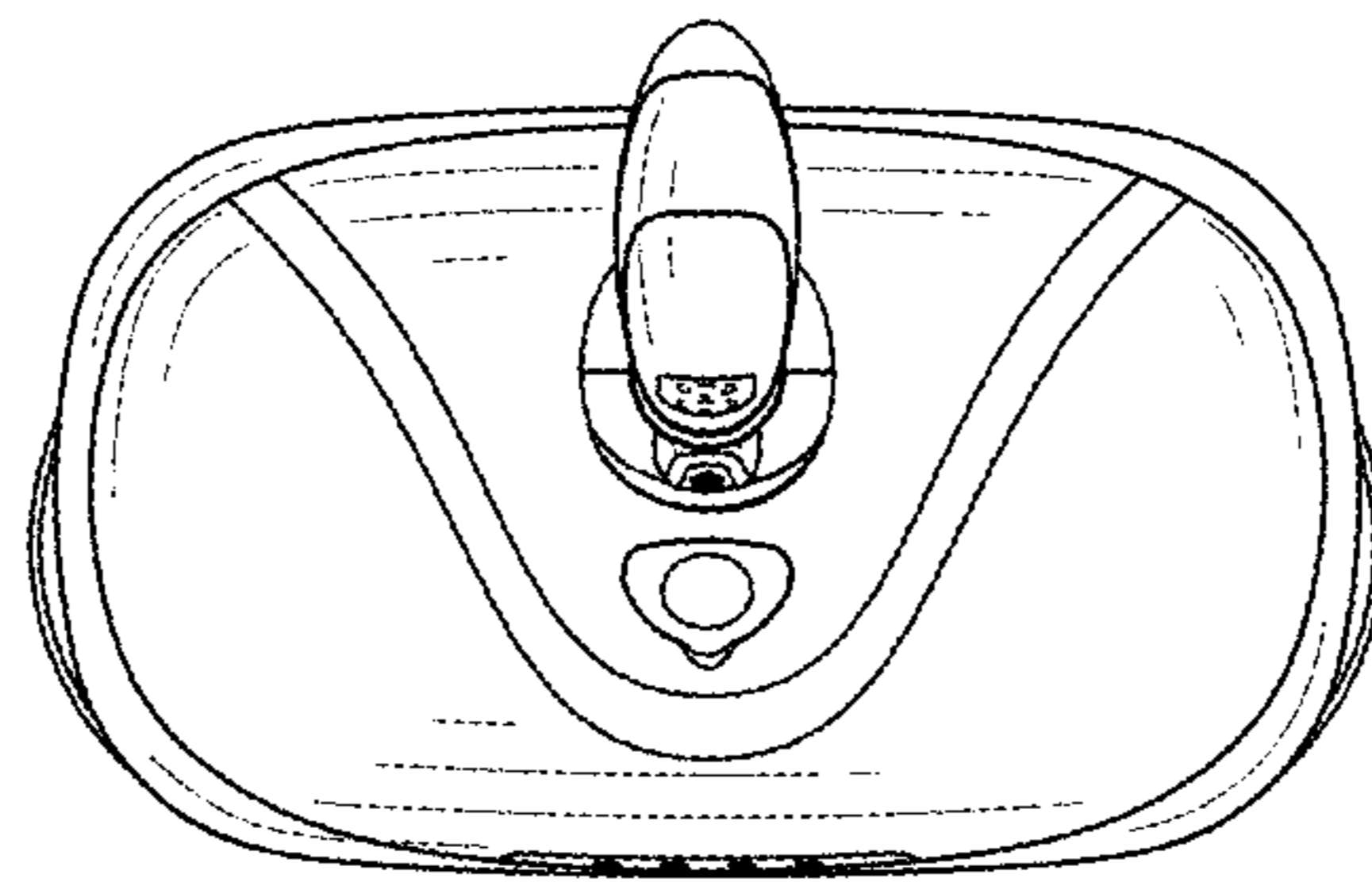


FIG. 7

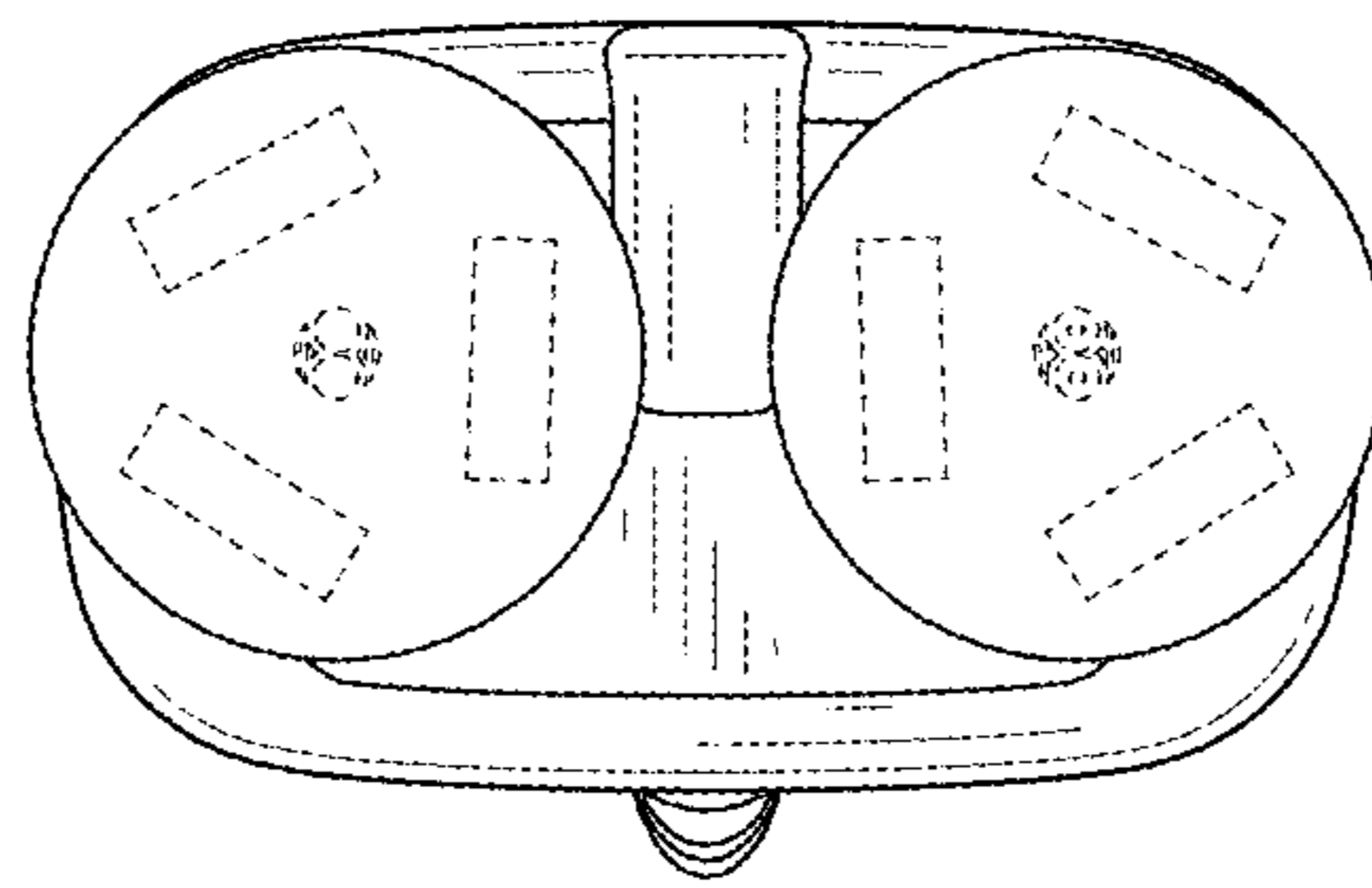


FIG. 8

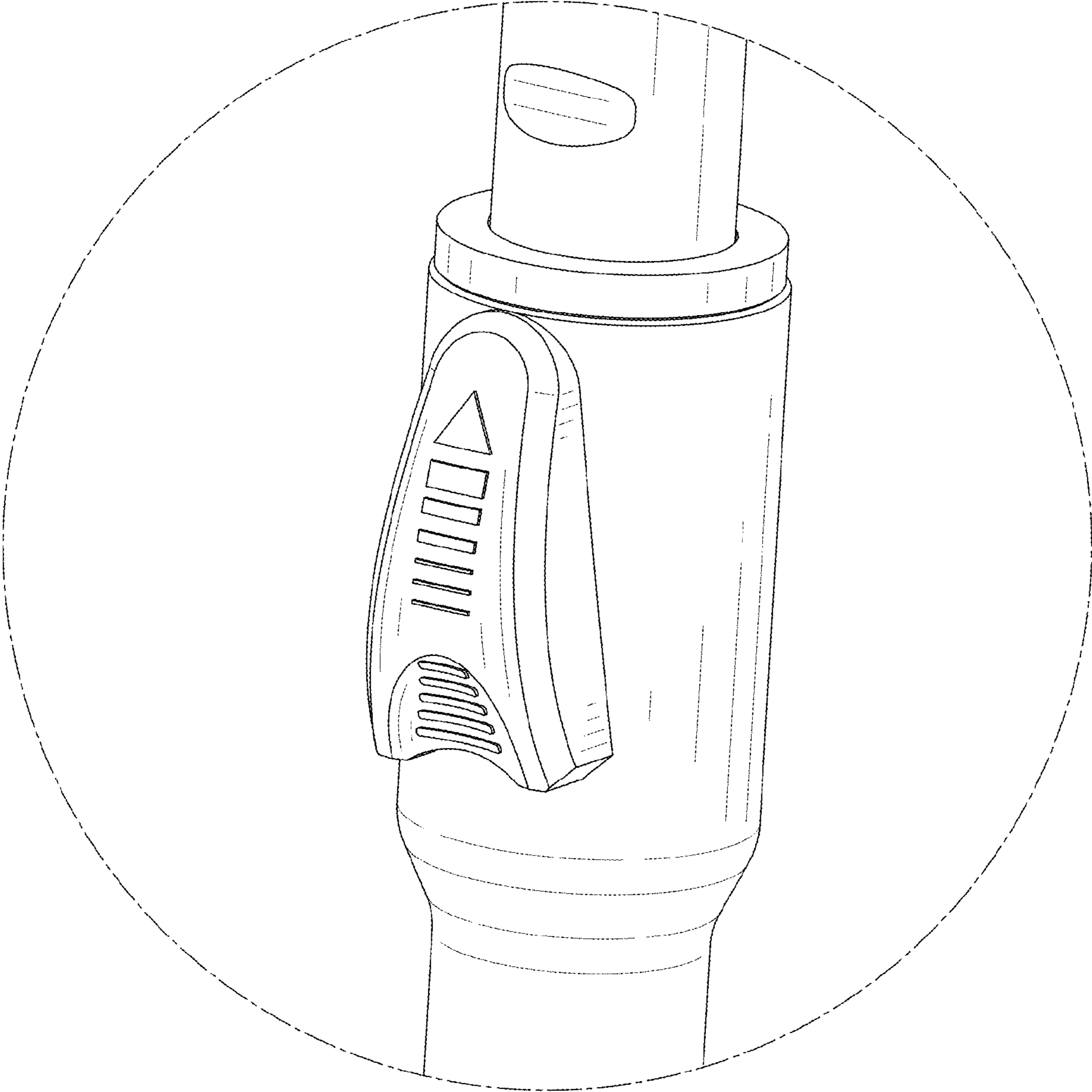


FIG. 9

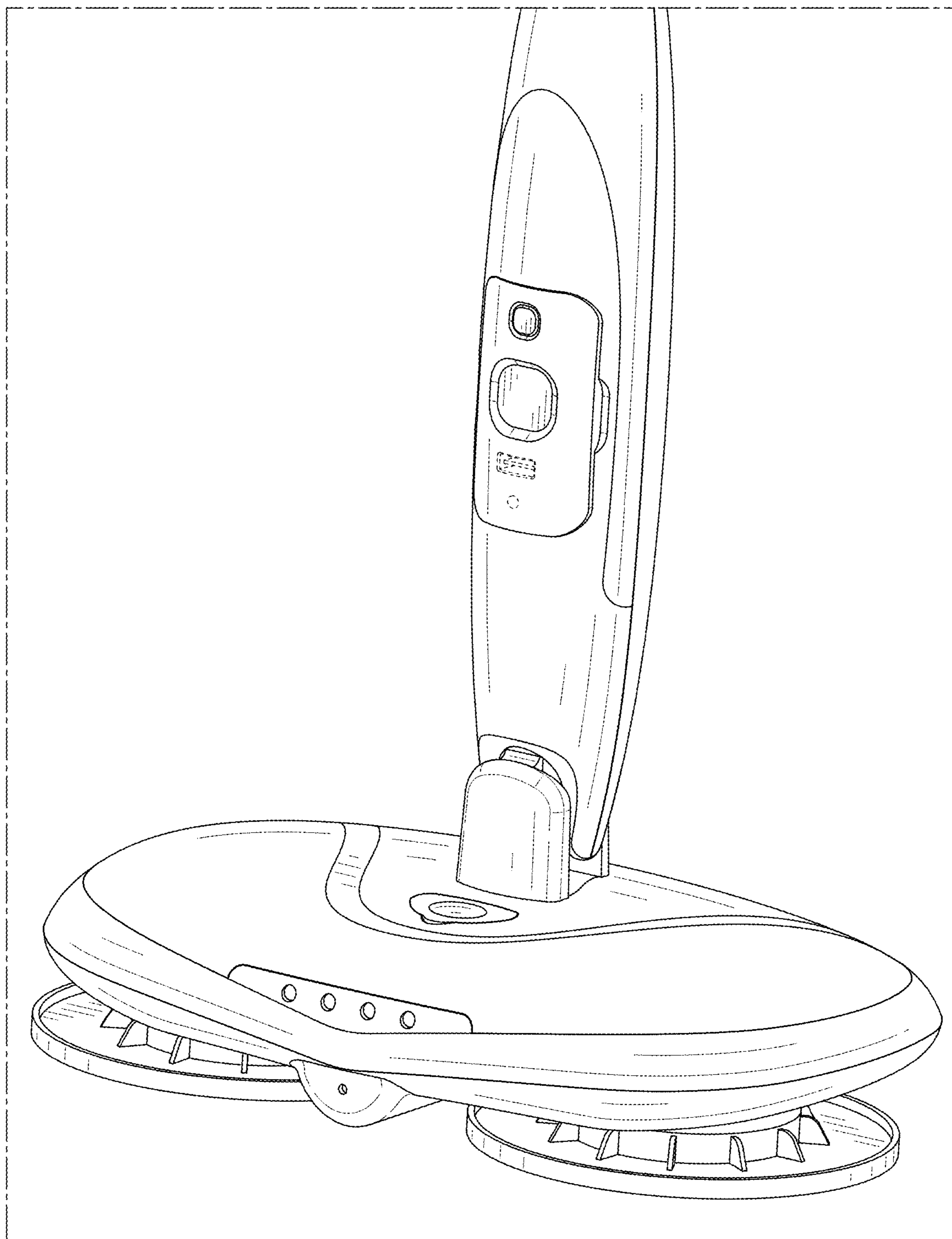


FIG. 10