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(12) United States Design Patent

Zhu

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(54) **ELECTRIC SPIN SCRUBBER**

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

(21) Appl. No.: **29/847,616**

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(51) **LOC (14) Cl.** **04-02**

(52) **U.S. Cl.**
USPC **D4/102**; D32/35

(58) **Field of Classification Search**
USPC D32/19, 35, 40, 45, 49, 50, 51, 52; D4/100, 102, 104, 114, 115, 116, 118, D4/120, 127, 128, 130, 132, 133, 137, D4/138, 199; D8/61; D23/223
CPC A47L 11/14; A47L 11/282; A47L 11/4036; H01L 21/67046; H01L 21/67178
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D175,102 S *	7/1955	Bletcher et al.	D4/115
D197,458 S *	2/1964	Bucknell et al.	D4/115
D368,343 S *	3/1996	Gebhard	D4/138
D501,971 S *	2/2005	Treacy	D4/137
D559,488 S *	1/2008	Libman	D32/45
D588,816 S *	3/2009	Hughes, IV	D4/127
D600,022 S *	9/2009	Busschaert	D4/138
D612,612 S *	3/2010	Harris	D4/127
D622,018 S *	8/2010	Renner	D32/50
D764,126 S *	8/2016	Poon	D32/35
D825,190 S *	8/2018	Hu	D4/102
D836,918 S *	1/2019	Exley	D32/19
D869,850 S *	12/2019	Luo	D28/63
D923,270 S	6/2021	Rajasekaran et al.	
D927,195 S *	8/2021	Wei	D4/132

(Continued)

OTHER PUBLICATIONS

Aspiron Electric Spin Scrubber, available in Amazon.com, date first available Dec. 14, 2021 [online], [site visited Oct. 5, 2022], Available from the internet URL: https://www.amazon.com/dp/B09NLPG4B9/ref=sspa_dk_detail_5 (Year: 2021).*

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(57) **CLAIM**

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

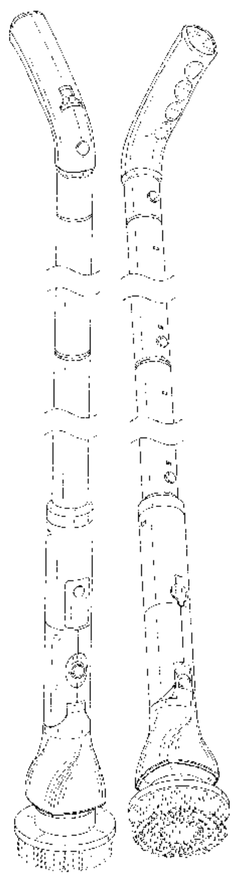
DESCRIPTION

FIG. **1** is a perspective view of the electric spin scrubber showing my new design;
FIG. **2** is a perspective view thereof from another angle;
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 a portion indicated with numeric **9** in FIG. **7**; and,
FIG. **10** is an enlarged view of a portion indicated with numeric **10** in FIG. **8**.

The dashed broken lines shown in the drawings represent portions of the electric spin scrubber that form no part of the claimed design. The dot-dash broken lines in FIGS. **1-6** show boundaries and in FIGS. **7-10** show the cutoff boundaries for the enlarged portions of the electric spin scrubber that form no part of the claimed design.

The electric spin scrubber is shown with a symbolic break in its length. The appearance of any portion of the article between the break lines forms no part of the claimed design.

1 Claim, 10 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

D936,371	S	*	11/2021	Cuevas	D4/133
D952,279	S	*	5/2022	Johnson	D32/51

* cited by examiner

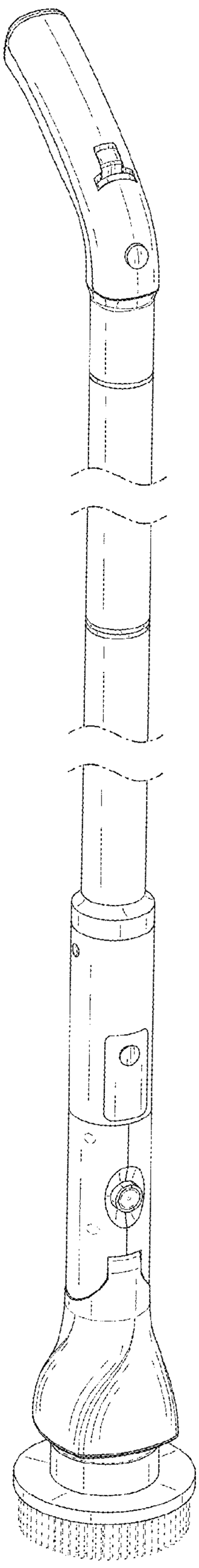


FIG. 1

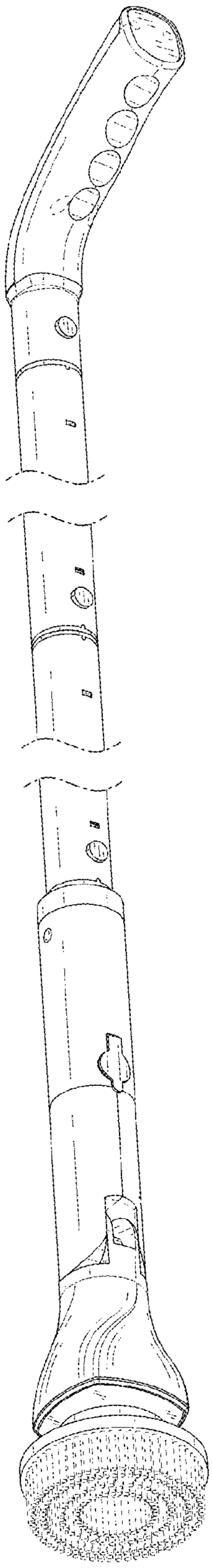


FIG. 2

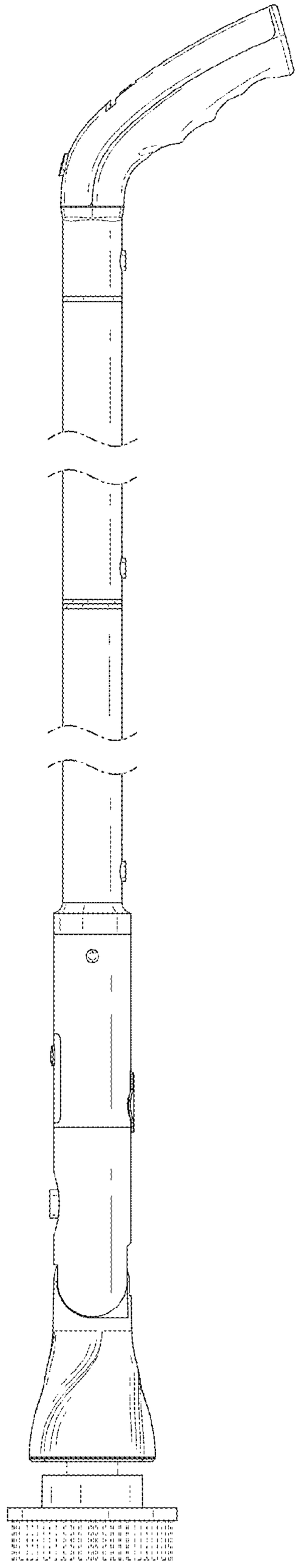


FIG. 3

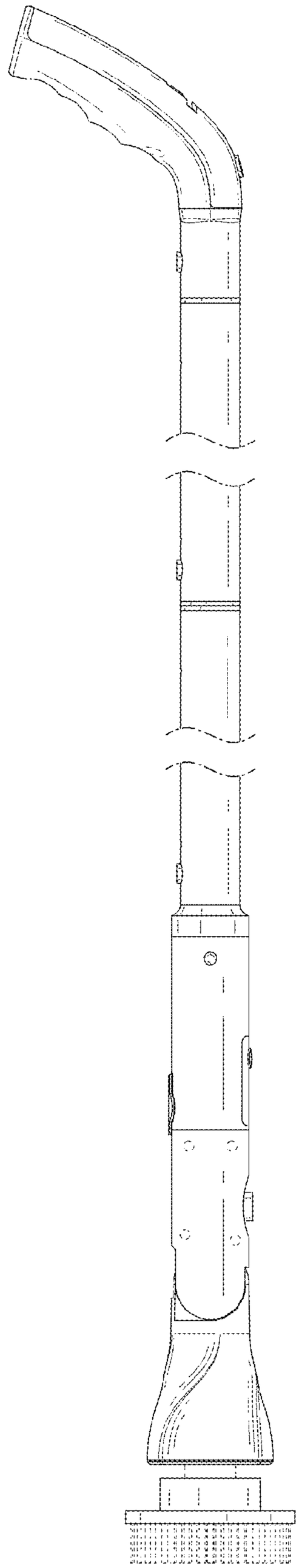


FIG. 4

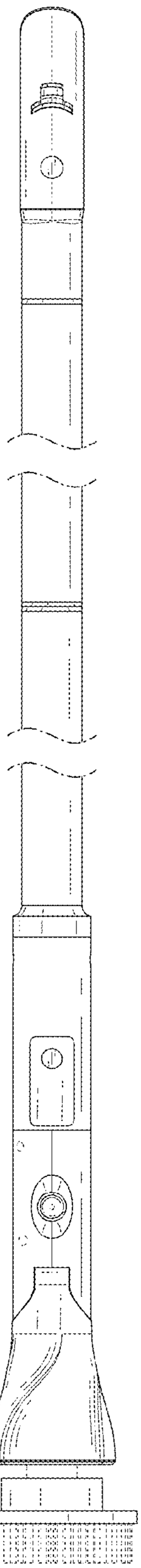


FIG. 5

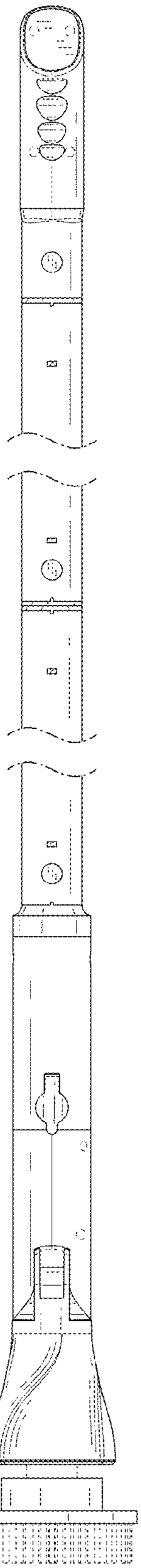


FIG. 6

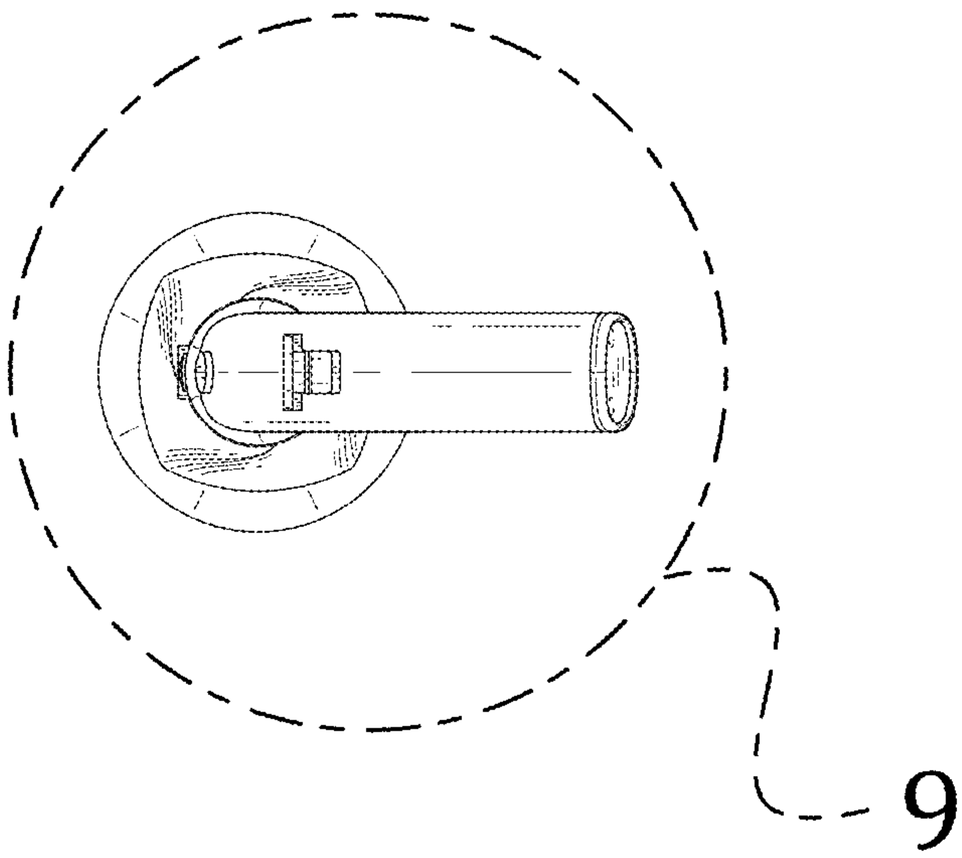


FIG. 7

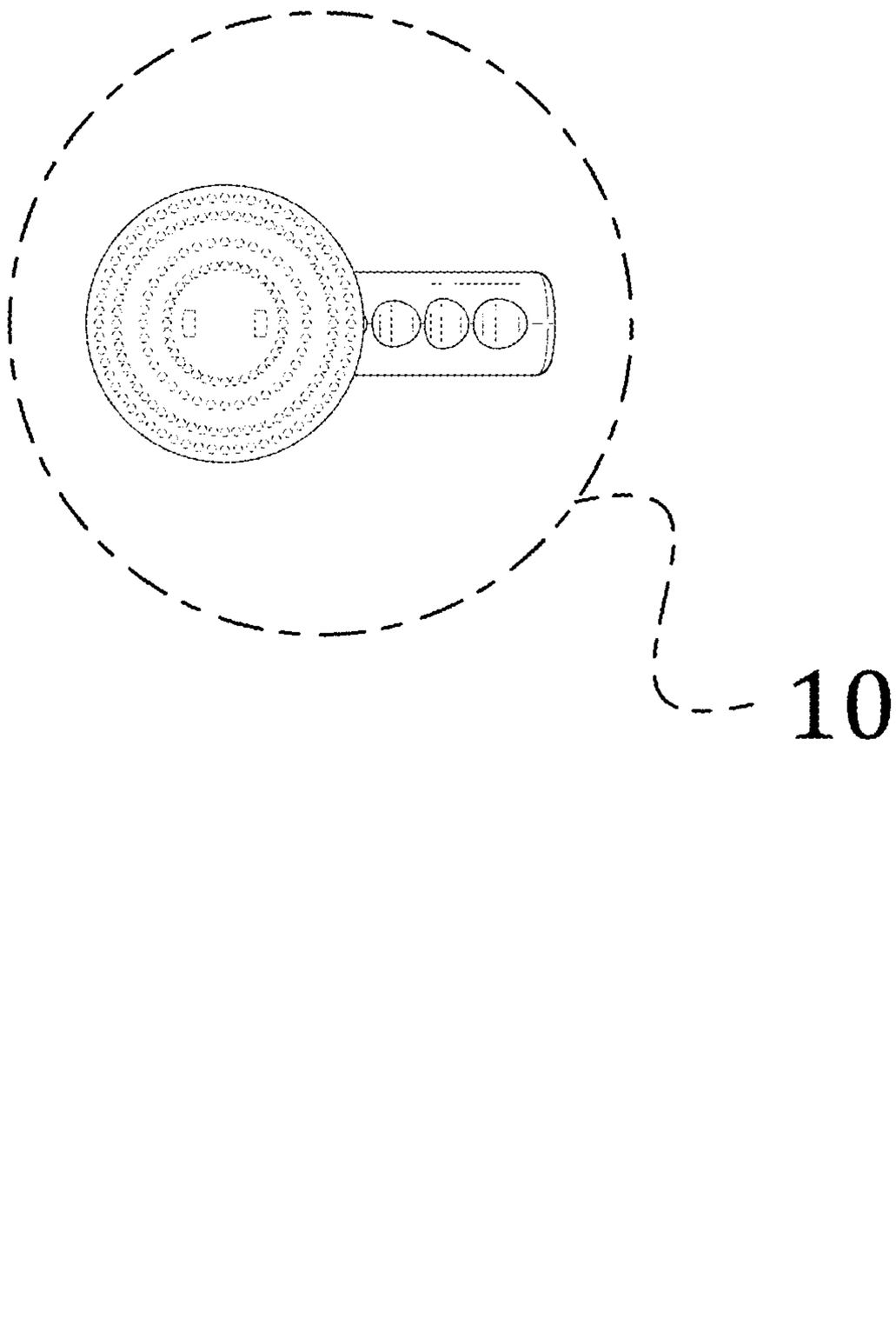


FIG. 8

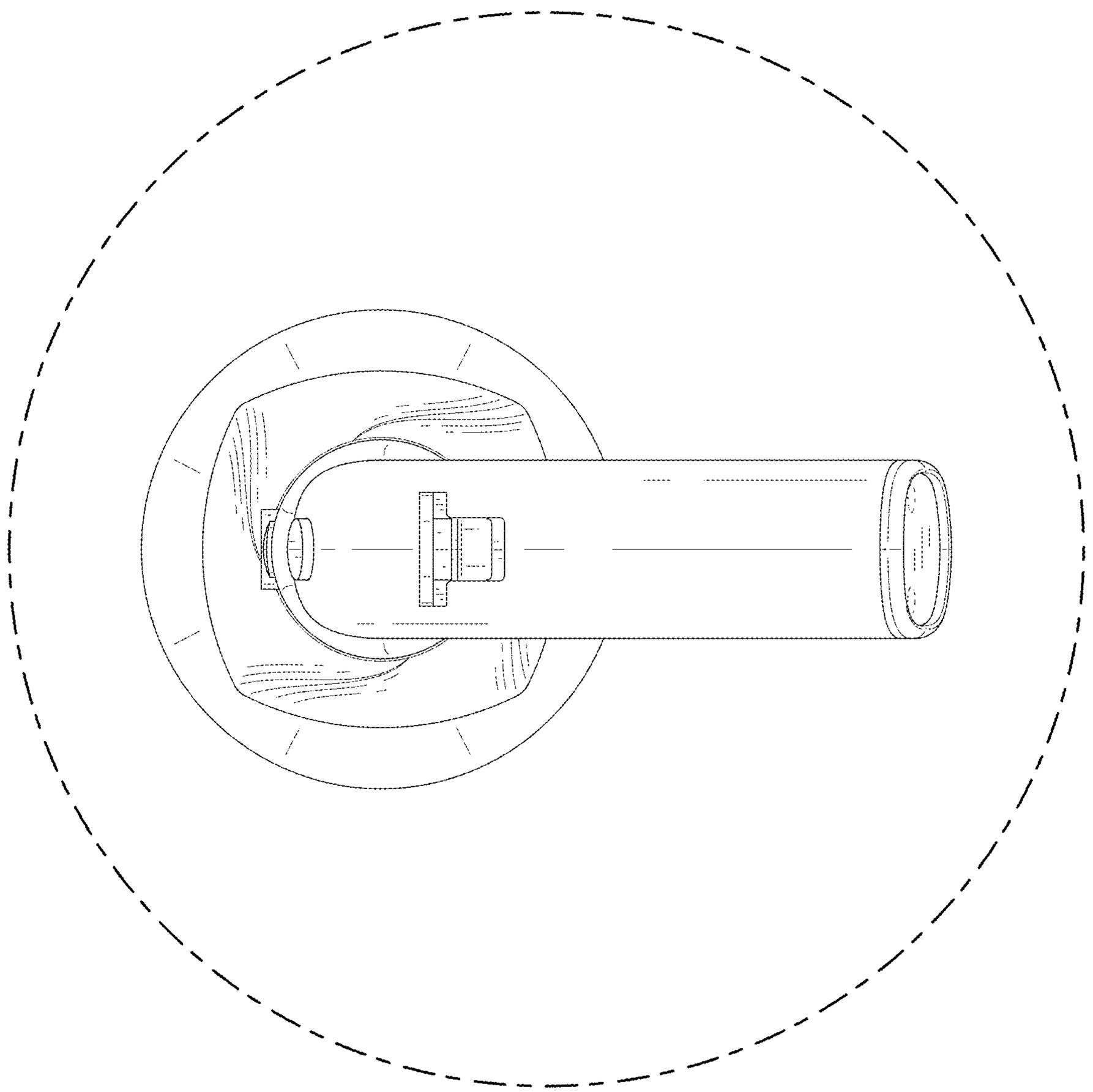


FIG. 9

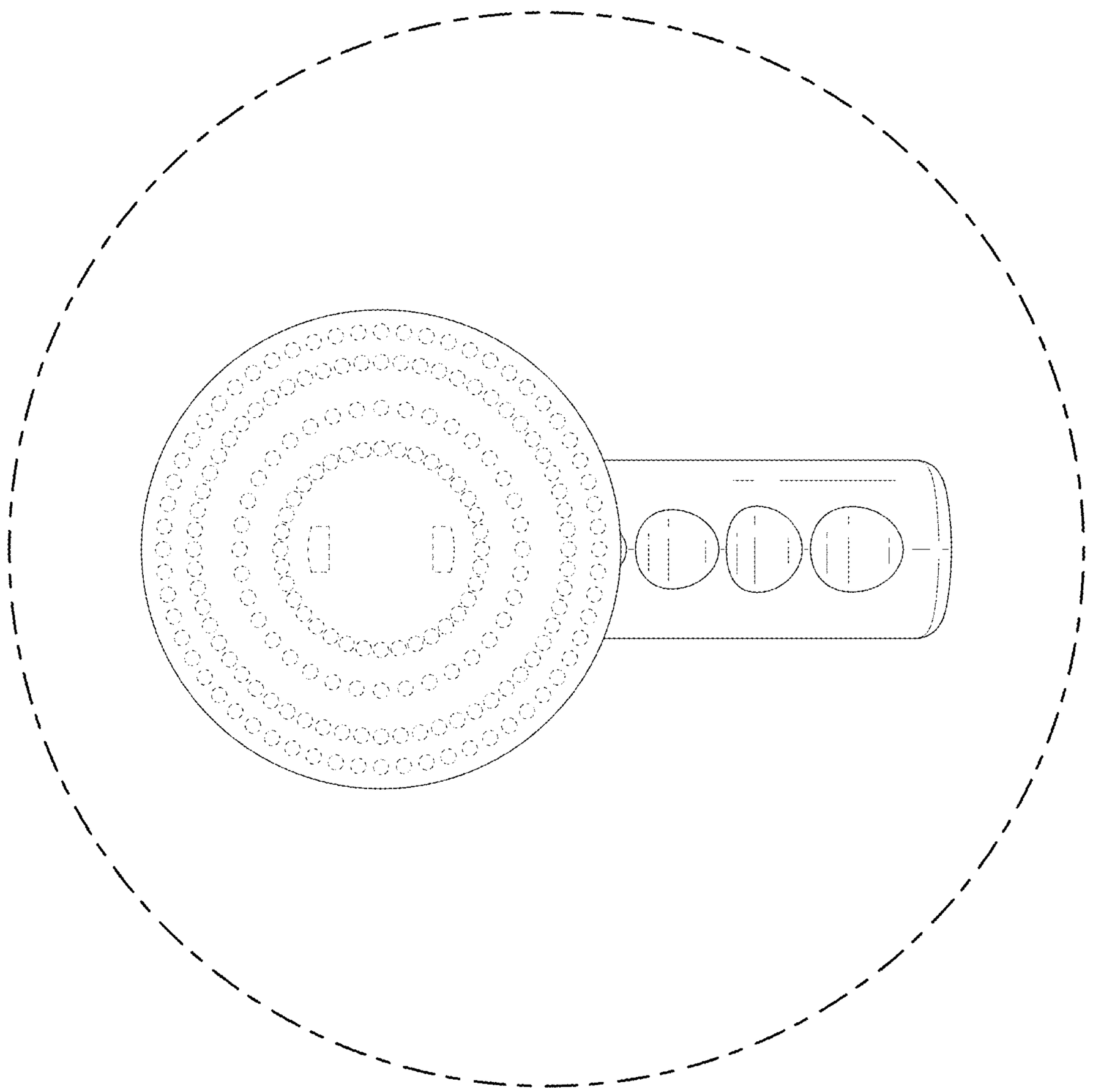


FIG. 10