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United States Design Patent

Owens et al.

(10)

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(54) **HOSE CONNECTOR**

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(73) Assignee: **Rockler Companies, Inc.**, Medina, MN (US)

D491,326	S	6/2004	Schroter	
6,896,695	B2	5/2005	Ohlendorf	
D519,696	S *	4/2006	Adams	D32/33
D565,263	S *	3/2008	Wishney	D32/32
D567,339	S *	4/2008	Tiberghien	D23/262
D585,964	S *	2/2009	Zhang	D23/255
D670,454	S *	11/2012	Sherk, Jr.	D30/158
D675,295	S	1/2013	Mitchell	
D683,918	S	6/2013	Erlich et al.	
D700,760	S *	3/2014	Chu	D32/33

(Continued)

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

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

(52) **U.S. Cl.**
USPC **D32/33; D23/263**

(58) **Field of Classification Search**
USPC D23/233–269, 393; D32/31–34;
D15/138; D8/70
CPC . A47L 9/16; A47L 9/20; A47L 9/1683; A47L 9/1666; A47L 9/1608; A47L 9/2857; A47L 9/2842; A47L 9/2836; A47L 9/2847; A47L 9/2852; A47L 5/28; A47L 7/0038; G06N 3/008; E04H 4/1654
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D141,802	S *	7/1945	Wittke	D32/33
D148,315	S *	1/1948	Lippincott	D32/33
4,597,130	A	7/1986	Lyman	
D294,413	S	2/1988	Berfield et al.	
5,411,433	A	5/1995	Keller	
D374,524	S	10/1996	Harris	
D400,325	S *	10/1998	Broecking	D32/33
D407,094	S *	3/1999	Meredith	D15/133
D417,534	S *	12/1999	Holston	D32/31
D488,270	S	4/2004	Biere et al.	

OTHER PUBLICATIONS

Festool 440404 Suction Brush. By Routerbitworld. Date posted Sep. 14, 2007. Found online [Sep. 14, 2024] <https://www.amazon.com/Festool-440404-Suction-Brush/dp/B000W0SPPA> (Year: 2007).*

(Continued)

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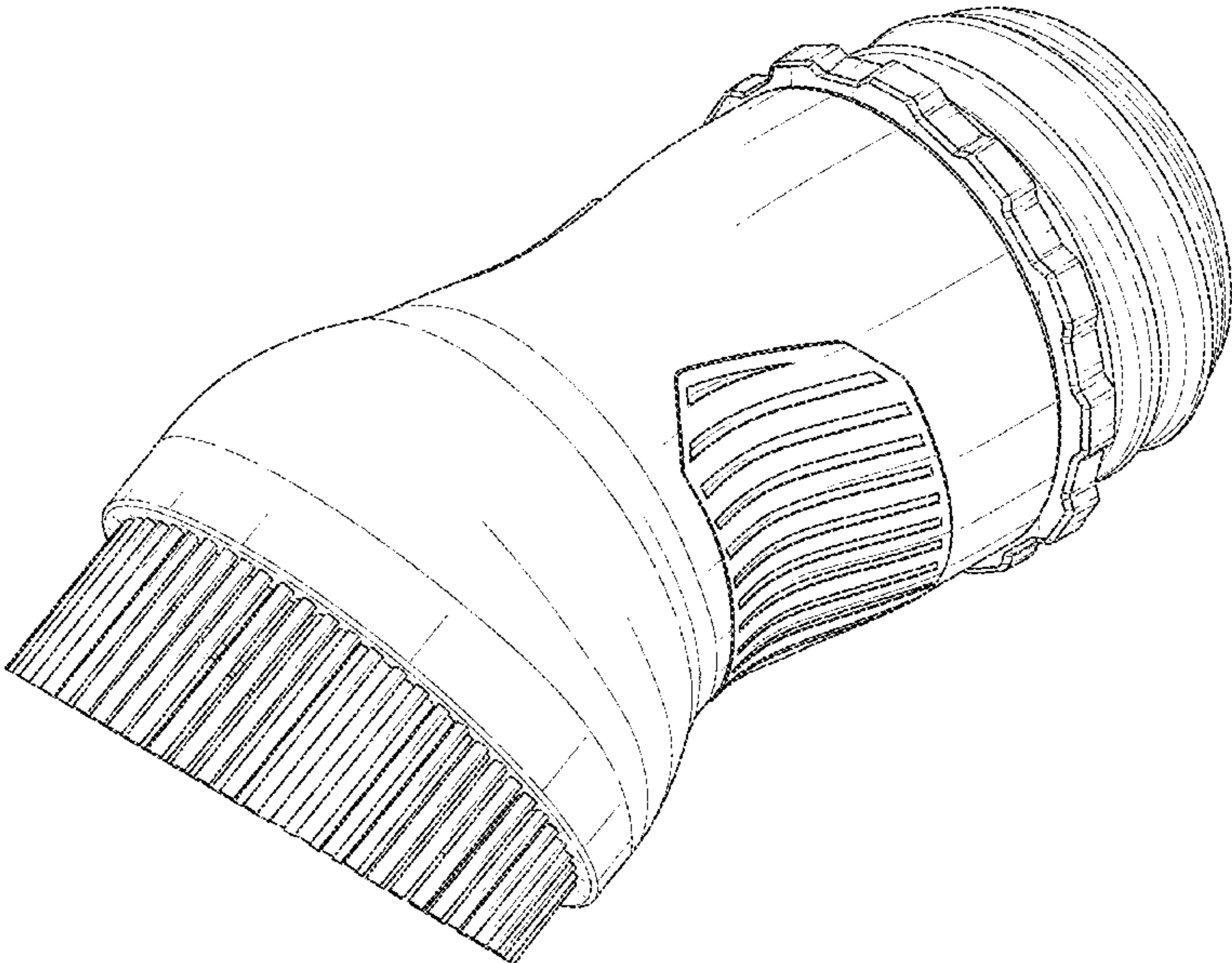
(57) **CLAIM**

The ornamental design for a hose connector, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a hose connector as taken from the front, right side and top thereof;
FIG. 2 is a front view of the hose connector of FIG. 1;
FIG. 3 is a rear view of the hose connector of FIG. 1;
FIG. 4 is a side view of the hose connector of FIG. 1 (as taken from the right side of the connector in FIG. 1);
FIG. 5 is a side view of the hose connector of FIG. 1 (as taken from the left side of the connector in FIG. 1);
FIG. 6 is a top view of the hose connector of FIG. 1; and,
FIG. 7 is a bottom view of the hose connector of FIG. 1.

1 Claim, 6 Drawing Sheets



(56)

References Cited

U.S. PATENT DOCUMENTS

D701,010 S * 3/2014 Tate D32/32
D704,811 S * 5/2014 Yu D23/262
D712,609 S * 9/2014 Crawley D32/33
D733,377 S * 6/2015 Bennett D32/33
D748,762 S * 2/2016 Näslund D23/262
D802,102 S * 11/2017 Mursu D32/31
D803,493 S * 11/2017 Lutz D32/31
D804,619 S * 12/2017 Mursu D23/266
D804,755 S * 12/2017 Nam D32/33
D805,612 S 12/2017 Mursu et al.
D852,443 S * 6/2019 Martin D32/33
D884,840 S * 5/2020 Langer D23/262
D885,000 S * 5/2020 Metz D32/31
D896,929 S * 9/2020 Vranish D23/262
D924,513 S * 7/2021 Owens D32/33
D1,034,924 S * 7/2024 Williams, Jr. D23/262
D1,038,725 S * 8/2024 Lindoro D8/70
2019/0053679 A1 * 2/2019 Calvert A47L 9/242
2022/0167812 A1 * 6/2022 Droguett Larrain .. A47L 9/0606

OTHER PUBLICATIONS

Rigid 2.5 NXT Max Locking Rotating Dusting Brush Accessory. By Home Depot. Dated earliest review date Aug. 21, 2024. Found online [Sep. 16, 2024] <https://www.homedepot.com/p/RIDGID-2-1-2-in-NXT-Max-Locking-Rotating-Dusting-Brush-Accessory-Shop-Vac-Attachment-for-RIDGID-NXT-Wet-Dry-Vacuums-MAX2501/328759582> (Year: 2024).*

Rockler Fence Port Dust Brush Instructions. By Rockler. Dated Jul. 31, 2021. Found online [Sep. 14, 2024] <https://go.rockler.com/tech/58978-fence-port-dust-brush-inst.pdf> (Year: 2021).*

Milwaukee Air Tip Shop Vac Rotating Corner Brush Tool. By Uptown Salez. Date posted Nov. 10, 2022. Found online [Sep. 16, 2024] <https://www.amazon.com/Milwaukee-Air-Tip-Rotating-Corner-Brush/dp/B0C6BL9TZG> (Year: 2022).*

Rockler Fence Port Dust Brush. By Rockler. Dated (Jan. 21, 2022). Found online [Sep. 14, 2024] <https://web.archive.org/web/20220121141239/https://www.rockler.com/rockler-fence-port-dust-brush#expand> (Year: 2022).*

Rockler Dust Right Bench Nozzle. By Rockler. Dated Feb. 22, 2015. Found online [Sep. 16, 2024]. <https://web.archive.org/web/20150222135145/https://www.rockler.com/dust-right-bench-nozzle> (Year: 2015).*

Rockler “Dust Right® 4” Quick Change Shop and Tool Set” (accessed at <https://www.rockler.com/rockler-dust-right-4-quick-change-shop-and-tool-set> on Mar. 15, 2023), publicly available at least as of Jan. 3, 2021 (3 pages).

Rockler “Dust Right® Bench Nozzle” (accessed at <https://www.rockler.com/dust-right-bench-nozzle> on Mar. 15, 2023), publicly available at least as of Jan. 3, 2021 (2 pages).

“Festool Suction Brush for 27mm and 36mm Hoses (440404)” (accessed at <https://www.rockler.com/festool-suction-brush-for-27mm-and-36mm-hoses-440404> on Mar. 15, 2023), publicly available at least as of Jan. 3, 2021 (2 pages).

“Workshop Wet/Dry Vacs Vacuum Accessories WS25001A Shop Vacuum Brush Attachment For 2½Inch Wet/Dry Vacuum Hose” (accessed at <https://www.amazon.com/WORKSHOP-Wet-Dry-Accessories-WS25001A/dp/B00FX33MF4> on Mar. 15, 2023), publicly available at least as of Jan. 3, 2021 (7 pages).

“Shop-Vac 9061500 Round Brush Nozzle, Plastic Construction, Black in Color, 1¼ Inch Diameter Sleeve, (1-Pack)” (accessed at <https://www.amazon.com/Shop-Vac-9061500-Plastic-Construction-Diameter/dp/B00002ND49> on Mar. 15, 2023), publicly available at least as of Jan. 3, 2021 (5 pages).

“32/35mm Vacuum Nozzle Suction Brush Head Nozzle Crevice Tool Vacuum Cleaner Cleaning Brush Kit For Bed Sofa Car Furniture” (accessed at https://www.aliexpress.us/item/3256804518471205.html?gatewayAdapt=glo2usa4itemAdapt&randl_shipto=US on Mar. 15, 2023) , publicly available at least as of Jan. 3, 2021 (1 page).

“ProTeam 3-Inch Dust Brush with Reducer, 1.5 Inch” (accessed at https://www.jondon.com/proteam-dusting-brush-1-5-inch.html?utm_source=google&utm_medium=cpc&utm_term=&utm_content=&utm_campaign=17757065469&gclid=Cj0KCQiAjbagBhD3ARIsANRrEuRbxmrdw2yv72_9-IV6u6CMbO5ITCI9hzjbTJvH1BueRvyp5e3WKYAgYNEALw_wcB on Mar. 15, 2023), publicly available at least as of Jan. 3, 2021 (1 page).

“Atrix Ergo Backpack Series Round Dust Brush” (accessed at <https://tinyurl.com/ynvsza3s> on Mar. 15, 2023), publicly available at least as of Jan. 3, 2021 (3 pages).

“Festool Universal brush nozzle D36” (accessed at <https://www.woodcraft.com/products/universal-brush-nozzle-d36?via=573621bd69702d0676000002%2C576455d369702d2f0013a2%2C585c364a69702d4f8c0001e3> on Mar. 15, 2023), publicly available at least as of Jan. 3, 2021 (2 pages).

* cited by examiner

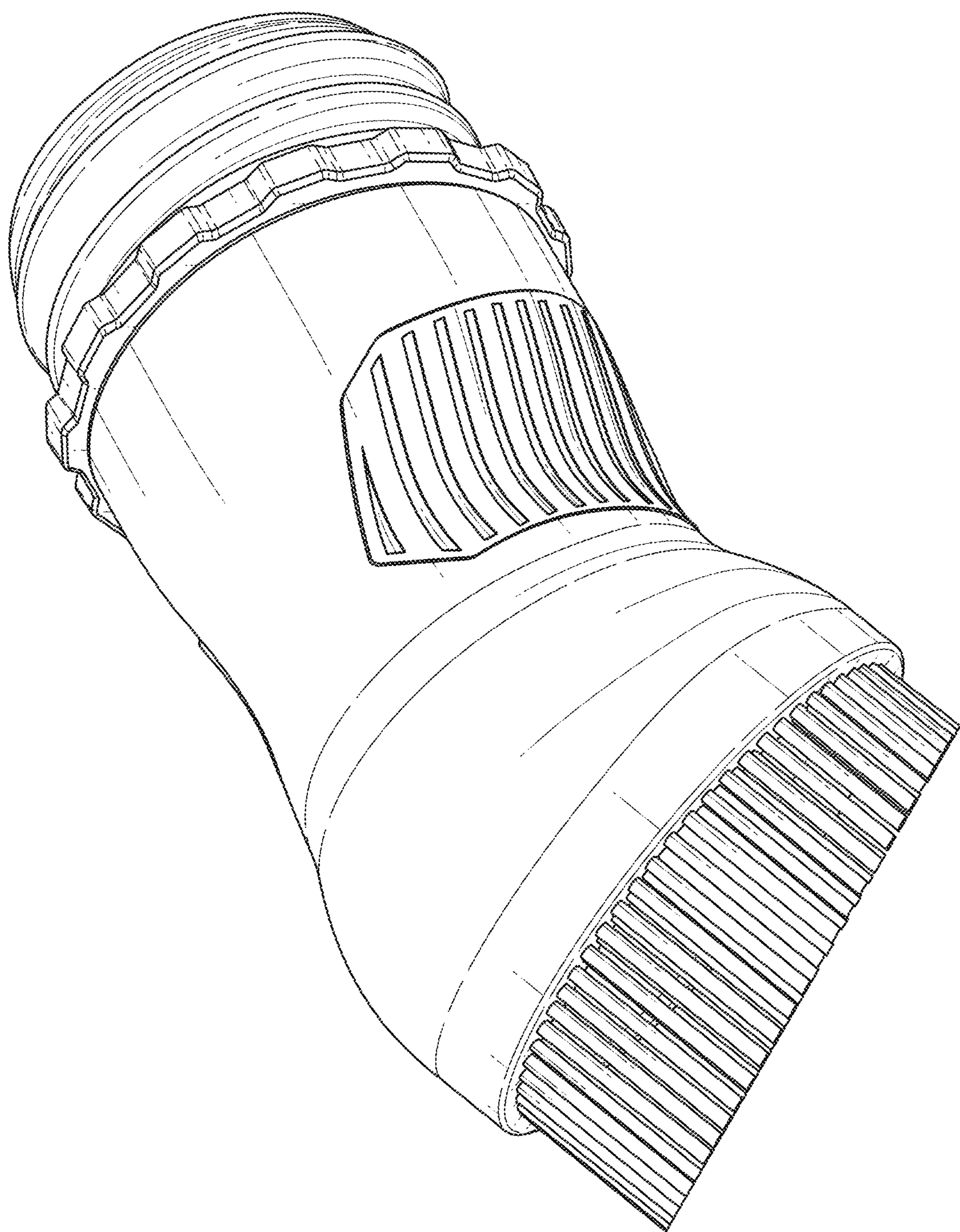


FIG. 1

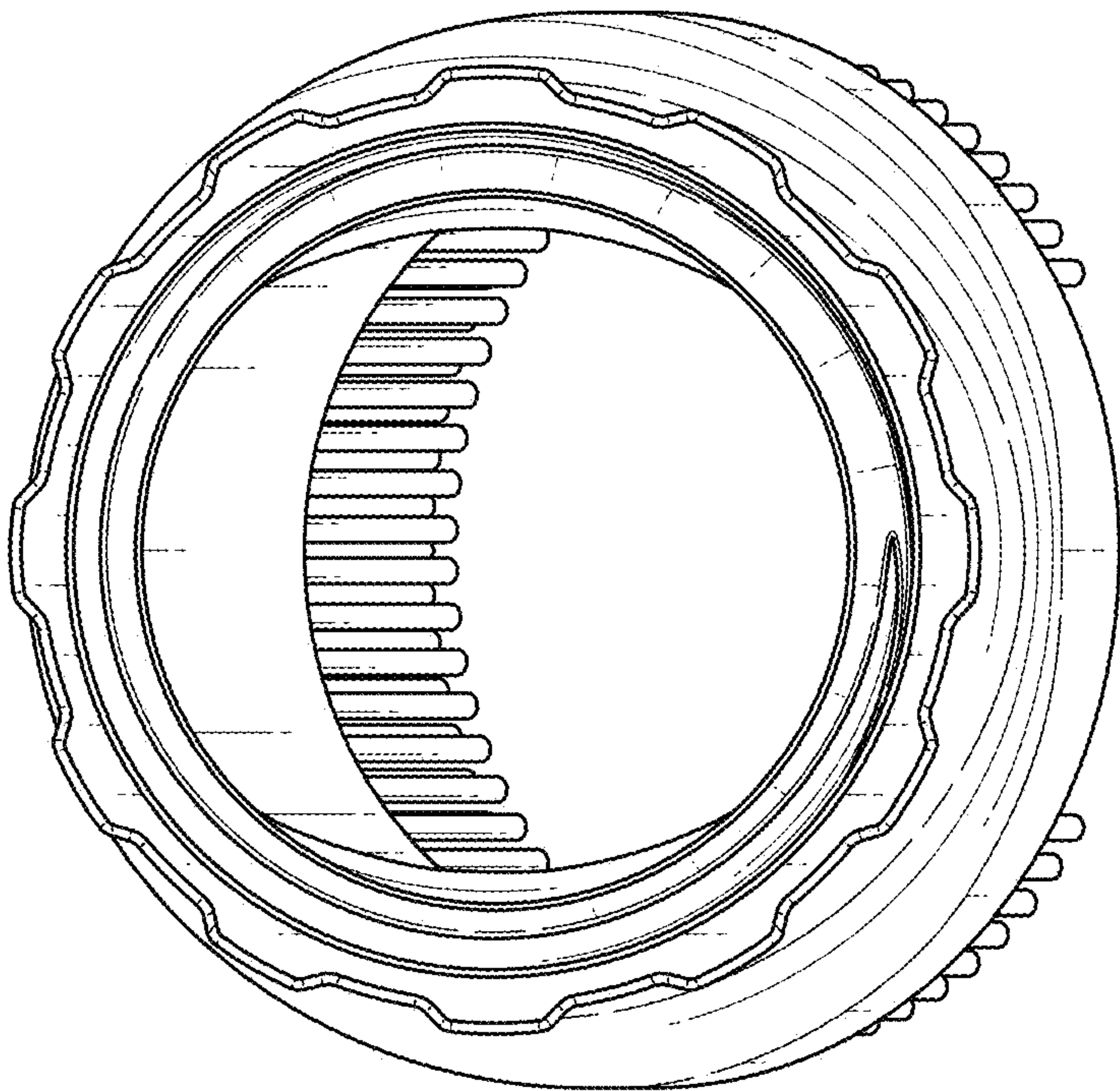


FIG. 3

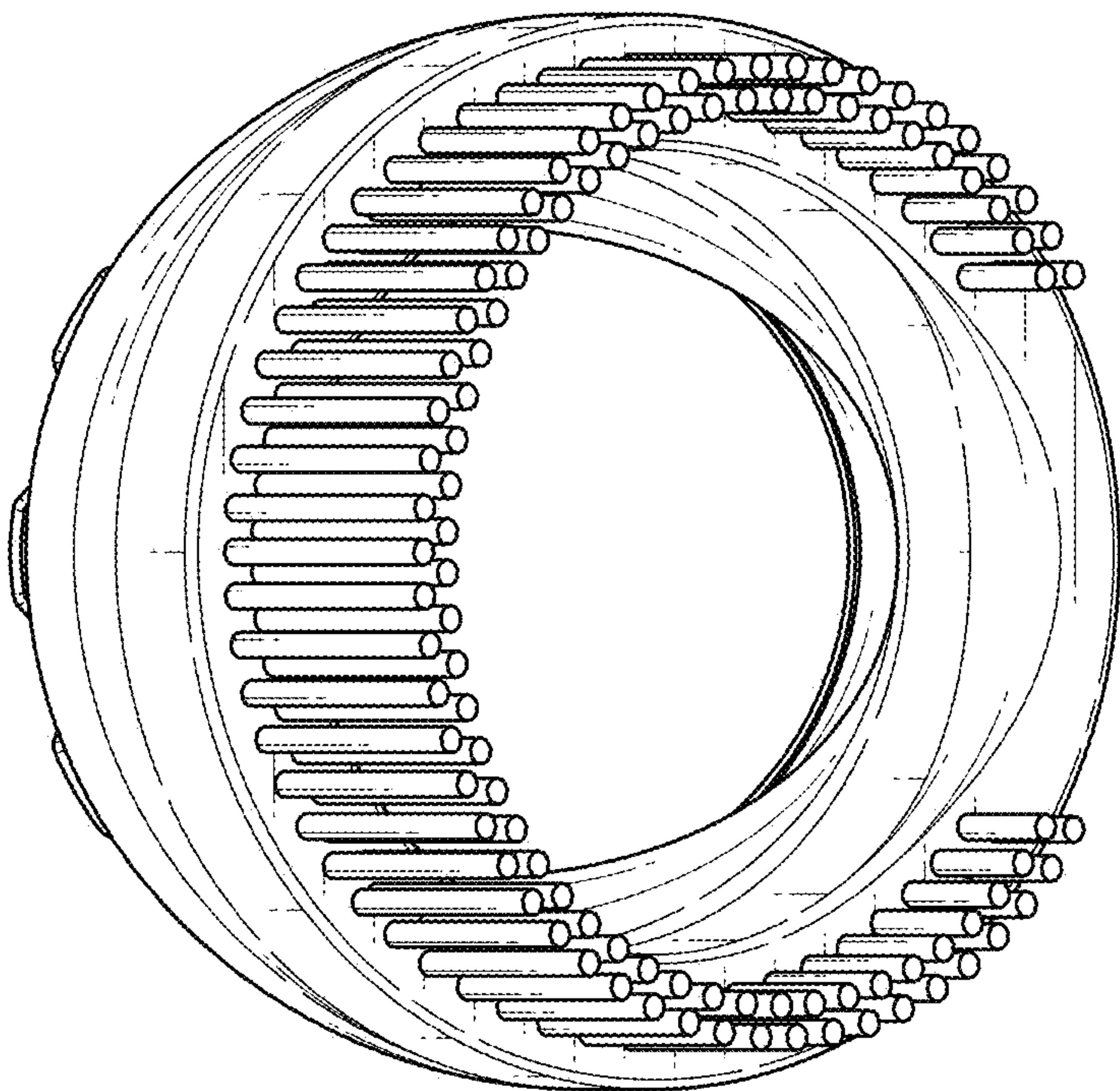


FIG. 2

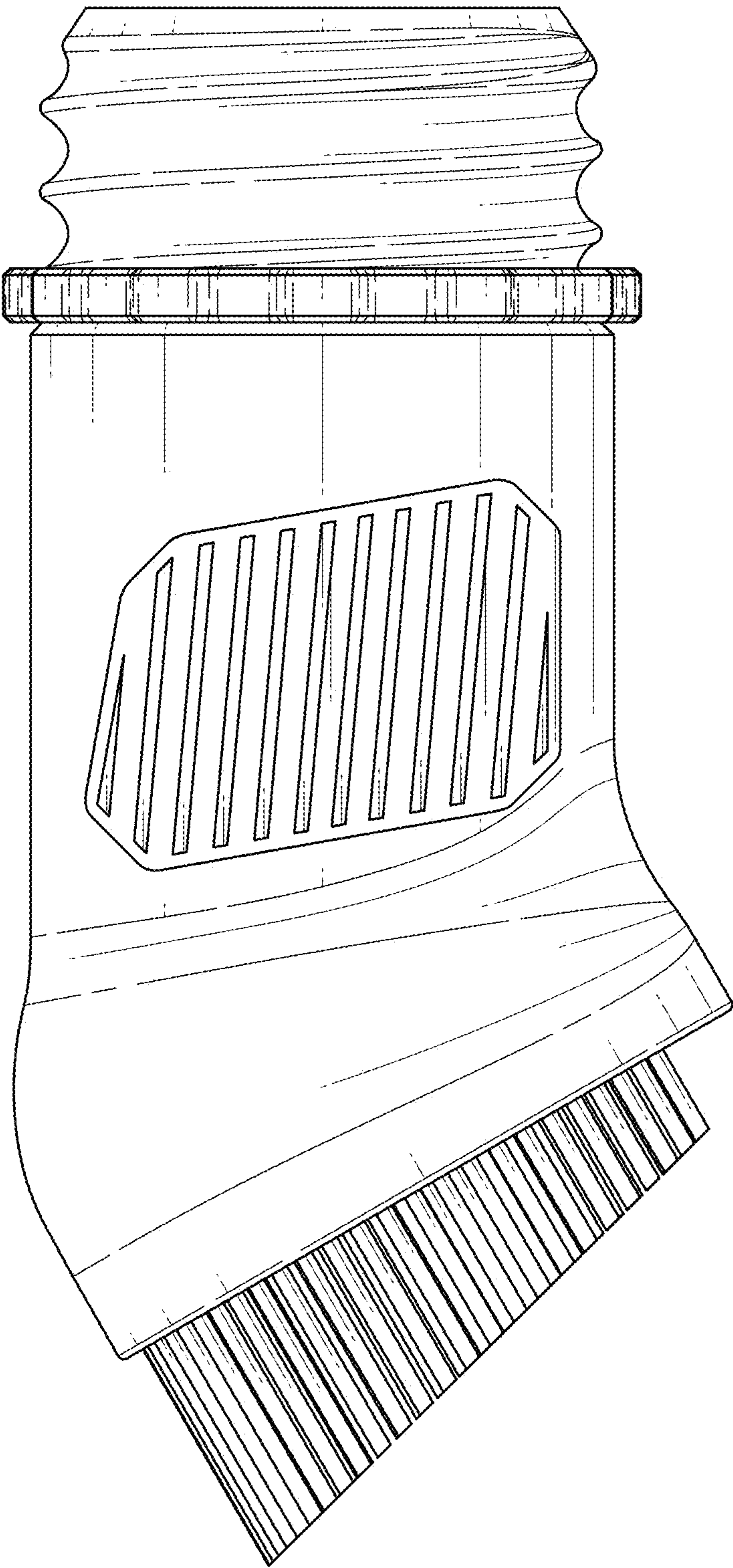


FIG. 4

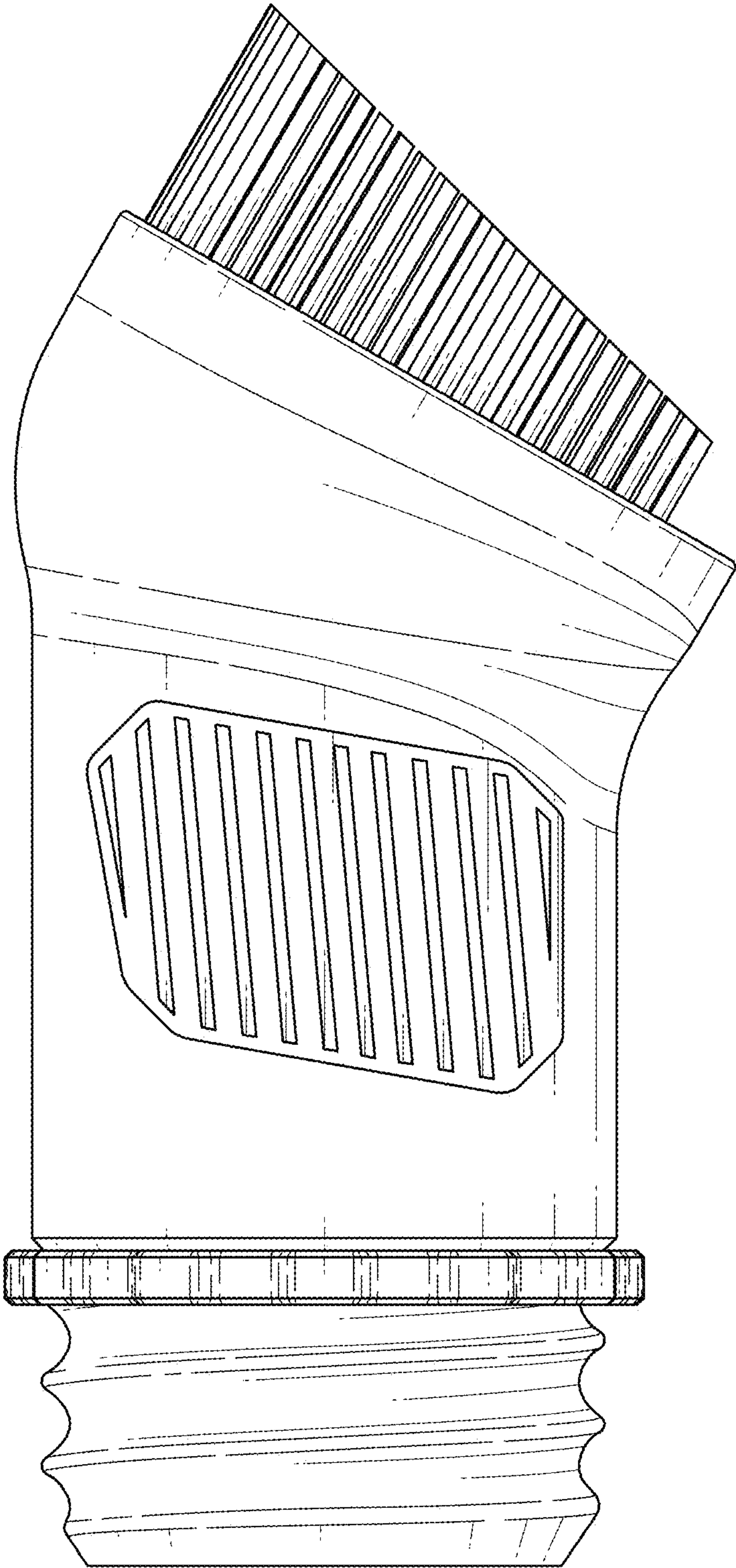


FIG. 5

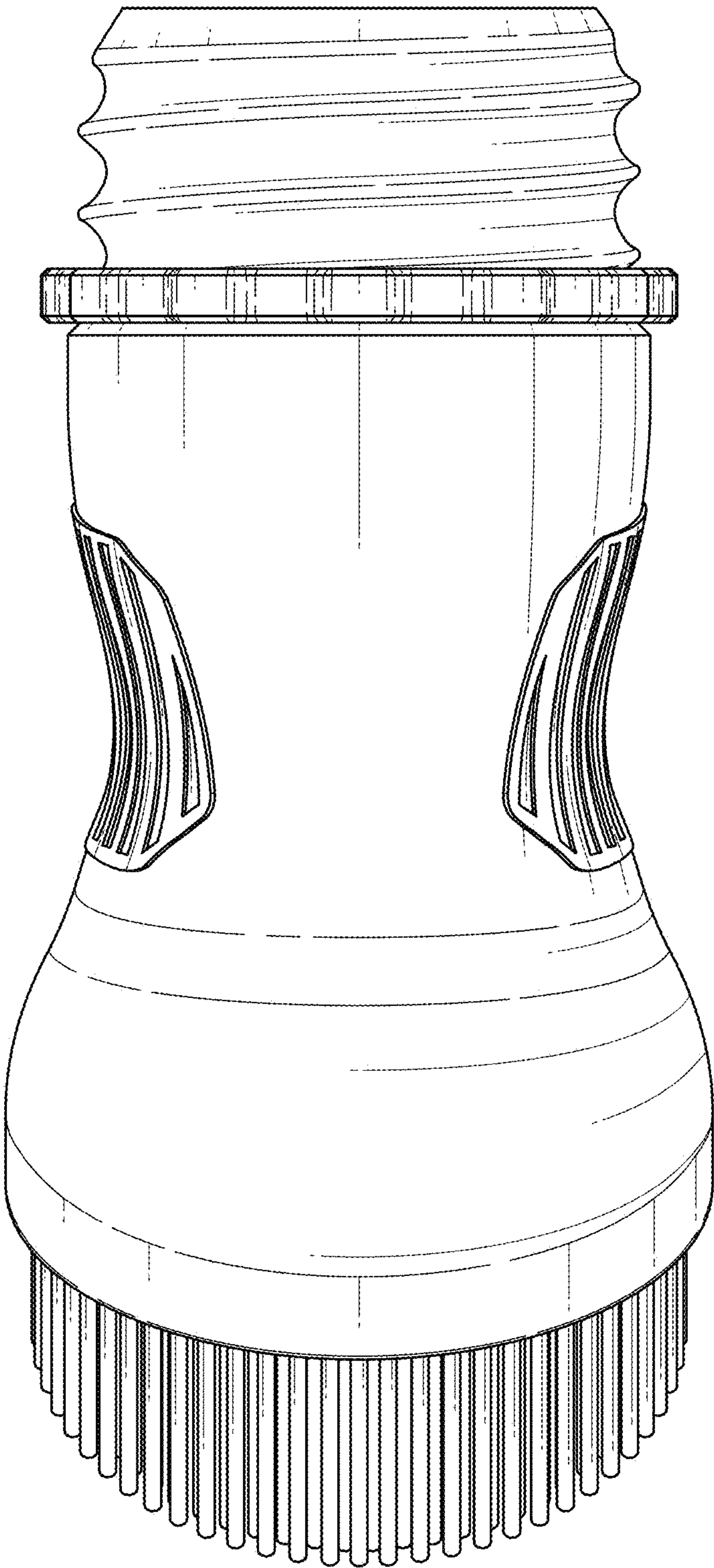


FIG. 6

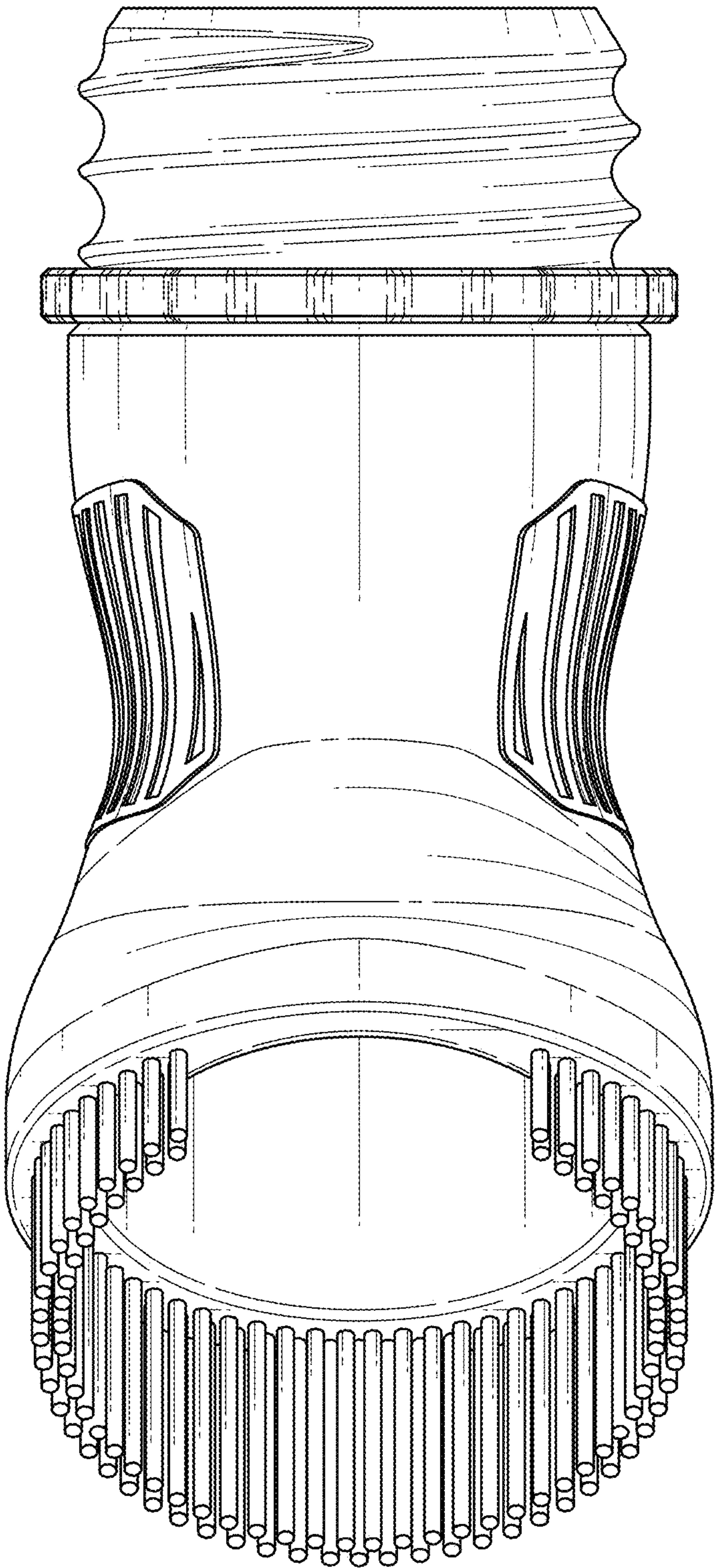


FIG. 7