

US00D909814S

(12) **United States Design Patent** (10) **Patent No.:** **US D909,814 S**
McConnell et al. (45) **Date of Patent:** **** Feb. 9, 2021**

(54) **PUSHER ACCESSORY FOR A GRINDER**

B02C 4/142; B02C 4/143; B02C 4/423;
B02C 13/1835; B26D 3/11; B26D 3/185;
B28C 5/10; B28C 5/12; B28C 5/14;
B28C 5/16; E03C 1/266

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See application file for complete search history.

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(56)

References Cited

U.S. PATENT DOCUMENTS

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62,184 A	2/1867	Coe
100,280 A	3/1870	Gerhard
243,035 A	6/1881	Geer
256,214 A	4/1882	Heizmann
256,800 A	4/1882	Holton
273,418 A	3/1883	Whittemore
310,196 A	1/1885	Goodell
319,905 A	6/1885	Hudson
360,527 A	4/1887	Hudson
959,137 A	5/1910	Hinchliffe
1,006,621 A	10/1911	Arnold
1,008,555 A	11/1911	Mower
1,826,242 A	10/1931	Dehuff
1,956,492 A	4/1934	China
2,001,036 A	5/1935	Prince
2,056,843 A	10/1936	Erro
2,125,859 A	8/1938	Liebelt
2,146,710 A	2/1939	Bloomfield
2,156,645 A	5/1939	Waller
D118,270 S	12/1939	Strauss
2,284,155 A	5/1942	Landgraf
2,305,288 A	12/1942	Cavalleri
2,409,067 A	10/1946	Reed
2,410,683 A	11/1946	Marquez
2,464,993 A	3/1949	Ross
2,508,868 A	5/1950	Ross
2,510,934 A	6/1950	Schildknecht
2,585,255 A	2/1952	Kochner et al.
2,600,281 A	6/1952	Stichelber
2,664,002 A	12/1953	Anderson
D173,029 S	9/1954	Green et al.
2,693,210 A	11/1954	Gustafson
2,699,737 A	1/1955	Stichelber
2,722,114 A	11/1955	Kochner
2,759,830 A	8/1956	Touceda
2,794,627 A	6/1957	Rodwick
D181,157 S	10/1957	Madl
2,905,452 A	9/1959	Appleton
D186,728 S	11/1959	Talge
2,946,299 A	7/1960	Clifford
2,965,145 A	12/1960	Gufffreund
D192,704 S	5/1962	Giunta

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

(21) Appl. No.: **29/756,103**

(22) Filed: **Oct. 26, 2020**

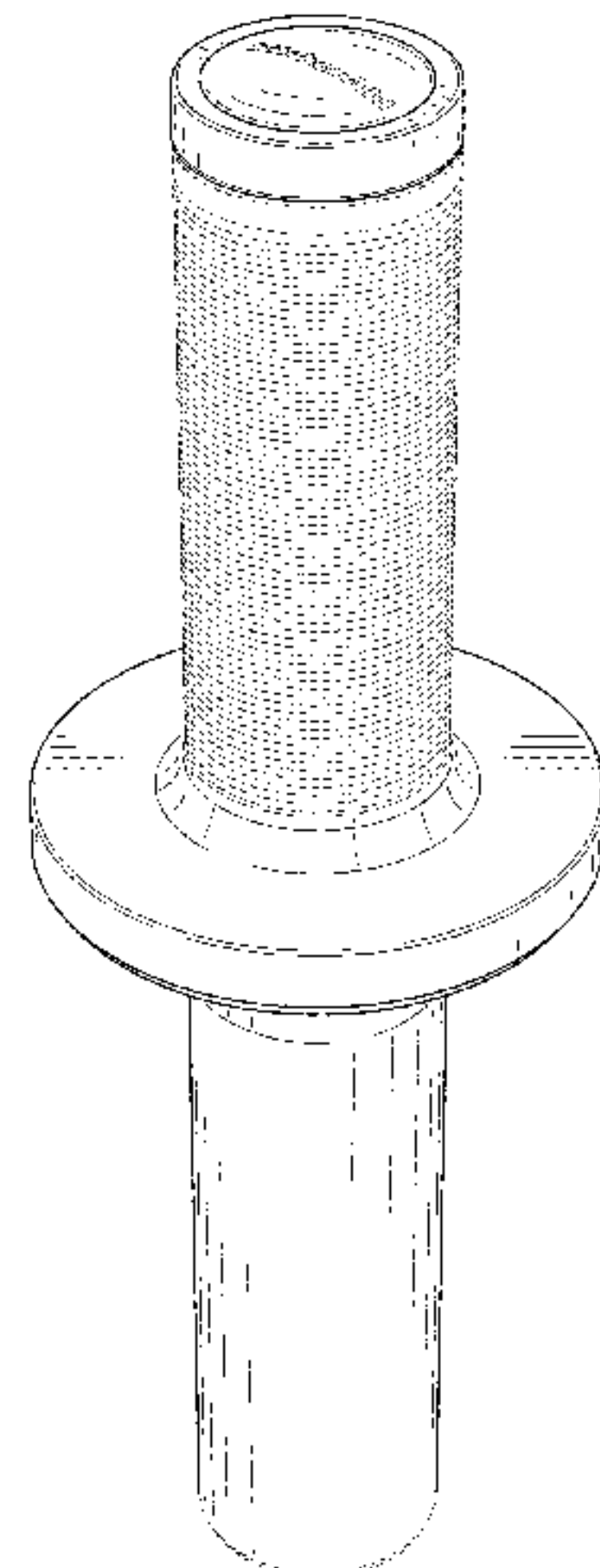
Related U.S. Application Data

(60) Continuation of application No. 29/738,407, filed on
Jun. 17, 2020, now Pat. No. Des. 902,640, which is a
continuation of application No. 29/723,667, filed on
Feb. 10, 2020, now Pat. No. Des. 891,853, which is
a continuation of application No. 29/705,144, filed on
Sep. 10, 2019, now Pat. No. Des. 878,146, which is
a division of application No. 29/621,122, filed on Oct.
4, 2017, now Pat. No. Des. 867,051.

(51) **LOC (13) Cl.** **31-00**

(52) **U.S. Cl.**
USPC **D7/414**; D7/372; D7/412

(58) **Field of Classification Search**
USPC ... D7/300.2, 372, 376-386, 401.2, 412-413,
D7/602, 629, 665-666, 669, 679, 682,
D7/693-694; D8/14
CPC A21C 1/02; A21C 1/04; A23L 2/56; A23N
1/00; A23N 1/02; A47J 17/16; A47J
43/04; A47J 43/25; A47J 43/27; A47J
43/28; A47J 43/042; A47J 43/044; A47J
43/046; A47J 43/075; A47J 43/0716;
A47J 43/0722; A47J 43/0727; B01F 3/00;
B01F 3/0807; B01F 3/0853; B01F
13/0059; B01F 13/0064; B01F 15/00;
B02C 1/08; B02C 2/04; B02C 4/42;



US D909,814 S

3,180,627 A	4/1965	Belonga		5,823,675 A	10/1998	Myerly	
3,211,202 A	10/1965	Mason		5,839,356 A	11/1998	Dornbush et al.	
3,220,450 A	11/1965	Aronson, II et al.		RE36,155 E	3/1999	Scallen	
3,268,342 A	8/1966	Yatuni		5,878,643 A	3/1999	Hwang	
3,357,469 A	12/1967	Pease et al.		5,919,493 A	7/1999	Sheppard et al.	
3,440,150 A	4/1969	Kramer et al.		5,935,656 A	8/1999	Koemer et al.	
RE26,684 E	10/1969	Mason		5,950,528 A	9/1999	Wang	
D222,209 S	10/1971	Dykes		5,957,045 A	9/1999	He et al.	
3,635,147 A	1/1972	Lee		D414,983 S	10/1999	Wong	
3,838,023 A	9/1974	Friedemann		6,024,554 A	2/2000	Lawrence	
D233,123 S	10/1974	Rigamonti		6,035,766 A	3/2000	Schirmer	
3,883,283 A	5/1975	Herrera		6,053,098 A	4/2000	Yamamoto	
D236,283 S	8/1975	McCue		6,113,966 A	9/2000	Belongia et al.	
D236,425 S	8/1975	McCue		6,148,169 A	11/2000	Tsukamoto	
3,952,621 A	4/1976	Chambos		6,163,095 A	12/2000	Shams et al.	
3,956,517 A	5/1976	Curry et al.		6,188,046 B1	2/2001	Barrow	
3,960,369 A	6/1976	Sommer		D444,669 S	7/2001	Prot	
4,078,481 A	3/1978	Wunderlin		6,259,068 B1	7/2001	Barrow	
4,083,756 A	4/1978	Tajkowski		6,270,826 B1	8/2001	Kashulines, Jr. et al.	
4,213,569 A	7/1980	Amiot		6,297,479 B1	10/2001	Wefers	
4,216,917 A	8/1980	Clare et al.		6,321,641 B1	11/2001	Wang	
4,234,605 A	11/1980	Takeuchi		6,373,031 B1	4/2002	Barrow	
4,277,181 A	7/1981	Stahly et al.		6,442,866 B2	9/2002	Wefers	
D260,351 S	8/1981	Shun		D475,253 S	6/2003	Yip	
4,332,539 A	6/1982	Zani		6,609,455 B2	8/2003	Fouquet	
4,337,000 A	6/1982	Lehmann		D484,738 S	1/2004	Wong	
4,348,166 A	9/1982	Fowler		6,698,338 B2	3/2004	Ancona et al.	
4,390,133 A	6/1983	Wanat		6,718,852 B1 *	4/2004	Bickel et al. E03C 1/266	
4,429,624 A	2/1984	Linn					81/488
D276,202 S	11/1984	Shun		6,743,007 B2	6/2004	Backus et al.	
4,487,509 A	12/1984	Boyce		D495,921 S	9/2004	Lallemand	
4,512,522 A	4/1985	Williams		6,805,312 B2	10/2004	Capp	
4,569,851 A	2/1986	Schultz		6,854,383 B2	2/2005	Wang	
4,581,990 A	4/1986	Matsumoto		6,948,609 B2	9/2005	Finger et al.	
4,619,192 A	10/1986	Cycyk et al.		7,029,714 B2	4/2006	Mihalos et al.	
4,628,808 A	12/1986	Simon		7,032,491 B2	4/2006	Fischer	
4,649,810 A	3/1987	Wong		7,063,009 B2	6/2006	Lin	
4,693,610 A	9/1987	Weiss		D526,539 S	8/2006	Yip	
4,704,959 A	11/1987	Scallen		7,083,040 B2	8/2006	Finger et al.	
4,714,203 A	12/1987	Williams		D531,850 S	11/2006	Wong	
4,770,619 A	9/1988	Rijkaart		7,169,450 B2	1/2007	Bunick	
D300,400 S	3/1989	Kelly et al.		D539,836 S	4/2007	Faber	
4,817,512 A	4/1989	Vangen		7,207,510 B2	4/2007	Wong	
4,820,054 A	4/1989	Wong		7,238,017 B2	7/2007	Marcato	
4,854,717 A	8/1989	Crane et al.		D551,493 S	9/2007	Marcato	
4,878,627 A	11/1989	Otto		D553,427 S	10/2007	Ball	
4,942,807 A	7/1990	Wong		7,314,308 B2	1/2008	Fallowes et al.	
4,959,517 A	9/1990	Jump et al.		7,318,666 B1	1/2008	Lin	
4,984,512 A	1/1991	Takahashi et al.		7,461,589 B2	12/2008	Sinton	
5,022,315 A	6/1991	Bertram et al.		D601,391 S	10/2009	Chiang	
5,054,383 A	10/1991	Cho		7,648,264 B2 *	1/2010	Breviere A47J 43/0716	
5,091,046 A	2/1992	Hunter et al.					366/205
5,272,961 A	12/1993	Campbell et al.		D610,396 S	2/2010	Chiang	
5,289,760 A	3/1994	Barradas		7,775,705 B2	8/2010	Kozlowski et al.	
5,302,021 A *	4/1994	Jennett B01F 15/00		7,827,906 B1	11/2010	Carter	
		241/30		7,887,314 B2	2/2011	Ruhe et al.	
5,363,746 A	11/1994	Gordon		D643,265 S	8/2011	Kim et al.	
5,402,710 A	4/1995	Chen		7,993,694 B2	8/2011	Goderiaux et al.	
D362,597 S	9/1995	Kim		8,122,821 B2	2/2012	Sands	
5,460,506 A	10/1995	Price, IV et al.		8,162,653 B2	4/2012	Marcato	
5,463,937 A	11/1995	Belongia et al.		D660,660 S	5/2012	Kim	
5,469,782 A	11/1995	Wong		8,172,454 B2 *	5/2012	Choi A47J 43/0716	
5,470,599 A	11/1995	Ruhe					366/147
5,486,100 A	1/1996	Hsu		8,210,737 B2	7/2012	Wong	
5,486,665 A	1/1996	Le Rouzic		D666,056 S *	8/2012	Boozer D7/412	
5,493,955 A	2/1996	Belongia et al.		D669,324 S	10/2012	Bodum	
5,513,557 A	5/1996	Chiang		D670,138 S	11/2012	Hu	
D370,383 S	6/1996	Brefka		D677,975 S	3/2013	Jin et al.	
D372,650 S *	8/1996	Bundy D8/14		8,438,971 B1	5/2013	Thurley	
5,558,011 A	9/1996	Heim		D683,577 S	6/2013	Cohen	
D376,736 S	12/1996	Kim		D684,827 S	6/2013	Kim	
5,662,032 A *	9/1997	Baratta A47J 43/046		D698,210 S	1/2014	Lavy et al.	
		210/380.1		D699,064 S *	2/2014	Katterheinrich D7/300.2	
5,690,022 A	11/1997	Chai		D712,696 S	9/2014	Huber et al.	
5,758,963 A	6/1998	Xie et al.		D715,094 S	10/2014	Cornu et al.	
5,770,239 A	6/1998	Ancona		D718,094 S	11/2014	Yan	
5,771,784 A	6/1998	Sham		D720,967 S *	1/2015	Melzer D7/682	
5,786,016 A	7/1998	Campbell et al.		D721,548 S	1/2015	Jin	
5,816,136 A	10/1998	Stallings		D721,549 S	1/2015	Li	

D725,440 S 3/2015 Kim
 D747,916 S 1/2016 Wong
 D763,035 S * 8/2016 Hume D7/372
 9,474,419 B2 * 10/2016 Schneider A47J 43/288
 9,500,235 B2 11/2016 Kanning
 D775,491 S 1/2017 Brinkley et al.
 D776,494 S * 1/2017 Carr D7/669
 D790,918 S 7/2017 Benoit et al.
 9,775,467 B2 10/2017 Sapire
 D811,158 S 2/2018 Yuan
 D867,051 S 11/2019 McConnell et al.
 D868,530 S 12/2019 Zhan
 D878,146 S 3/2020 McConnell et al.
 D885,822 S 6/2020 McConnell et al.
 D891,853 S 8/2020 McConnell et al.
 2001/0019778 A1 9/2001 Gardaz et al.
 2001/0028909 A1 10/2001 Kashulines, Jr. et al.
 2001/0032856 A1 10/2001 Casey
 2002/0006464 A1 1/2002 Wefers
 2002/0181322 A1 12/2002 Brunswick et al.
 2004/0001387 A1 1/2004 Haller et al.
 2004/0145965 A1 7/2004 Chan et al.
 2005/0058018 A1 3/2005 Hooper et al.
 2005/0120888 A1 6/2005 Wang
 2005/0257692 A1 11/2005 Marcato
 2006/0044935 A1 3/2006 Benelli et al.
 2006/0117961 A1 6/2006 Guo
 2006/0254429 A1 11/2006 Sinton
 2008/0213447 A1 9/2008 Payen et al.
 2008/0271609 A1 11/2008 Pahl et al.
 2009/0090254 A1 4/2009 Herren
 2009/0120301 A1 5/2009 Severnak
 2009/0129200 A1 * 5/2009 Breviere A47J 43/0716
 366/205
 2009/0310436 A1 12/2009 Huang et al.
 2010/0012639 A1 1/2010 Merrell et al.
 2010/0028514 A1 2/2010 Goderiaux et al.
 2010/0147160 A1 6/2010 Oochi
 2010/0196529 A1 8/2010 Marcato
 2010/0202244 A1 * 8/2010 Choi A47J 43/0727
 366/144
 2010/0308142 A1 12/2010 Krasznai et al.
 2011/0017750 A1 1/2011 Fortkamp
 2011/0063941 A1 3/2011 Seidler et al.
 2011/0185917 A1 8/2011 Goderiaux et al.
 2011/0214574 A1 9/2011 Chang
 2011/0248108 A1 10/2011 Carriere
 2012/0042786 A1 2/2012 Fedell
 2012/0138716 A1 6/2012 Taguchi et al.
 2012/0227592 A1 9/2012 Lim et al.
 2013/0074700 A1 3/2013 Cheung
 2014/0133263 A1 * 5/2014 Schneider A47J 43/28
 366/129
 2015/0000534 A1 1/2015 Hager et al.
 2015/0098299 A1 4/2015 Sapire
 2015/0201787 A1 7/2015 Holzbauer et al.
 2015/0208853 A1 * 7/2015 Melzer A23L 2/56
 426/425
 2015/0238042 A1 8/2015 Tonelli et al.

2016/0143484 A1 5/2016 Palmer et al.
 2016/0332166 A1 11/2016 Chen
 2018/0099289 A1 4/2018 Moore et al.

FOREIGN PATENT DOCUMENTS

DE 202010012730 U1 12/2010
 EP 0405636 B1 9/1993
 EP 1230857 A1 8/2002
 EP 1430824 A1 6/2004
 EP 2269491 A1 1/2011
 EP 2508110 A1 10/2012
 FI 943990 A 8/1994
 FR 2447703 8/1980
 FR 2939298 A1 6/2010
 JP 5211066 A 1/1987
 JP 2010029103 A 2/2010
 WO 9415511 A1 7/1994
 WO 2009016465 A2 2/2009
 WO 2009141699 A2 11/2009

OTHER PUBLICATIONS

“Fulfilling Finishing Needs in the Auto Industry”; Electro Polish; Black Oxide, Aluminum Anodizing, Passivation; Dayton, Ohio; pp. 1-3; 2013.

Charles A. Grubbs; “Anodizing of Aluminum”; Consultant, Alpharetta, GA.; pp. 478-493; date unknown.

* cited by examiner

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(57) **CLAIM**

The ornamental design for a pusher accessory for a grinder, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a pusher accessory for a grinder according to the design;

FIG. 2 is a front elevation view thereof, a back elevation view being identical thereto;

FIG. 3 is a right side elevation view thereof, a left side elevation view being identical thereto;

FIG. 4 is a top plan view thereof; and,

FIG. 5 is a bottom plan view thereof.

The portions of the article shown in broken line form no part of the claimed design.

1 Claim, 3 Drawing Sheets

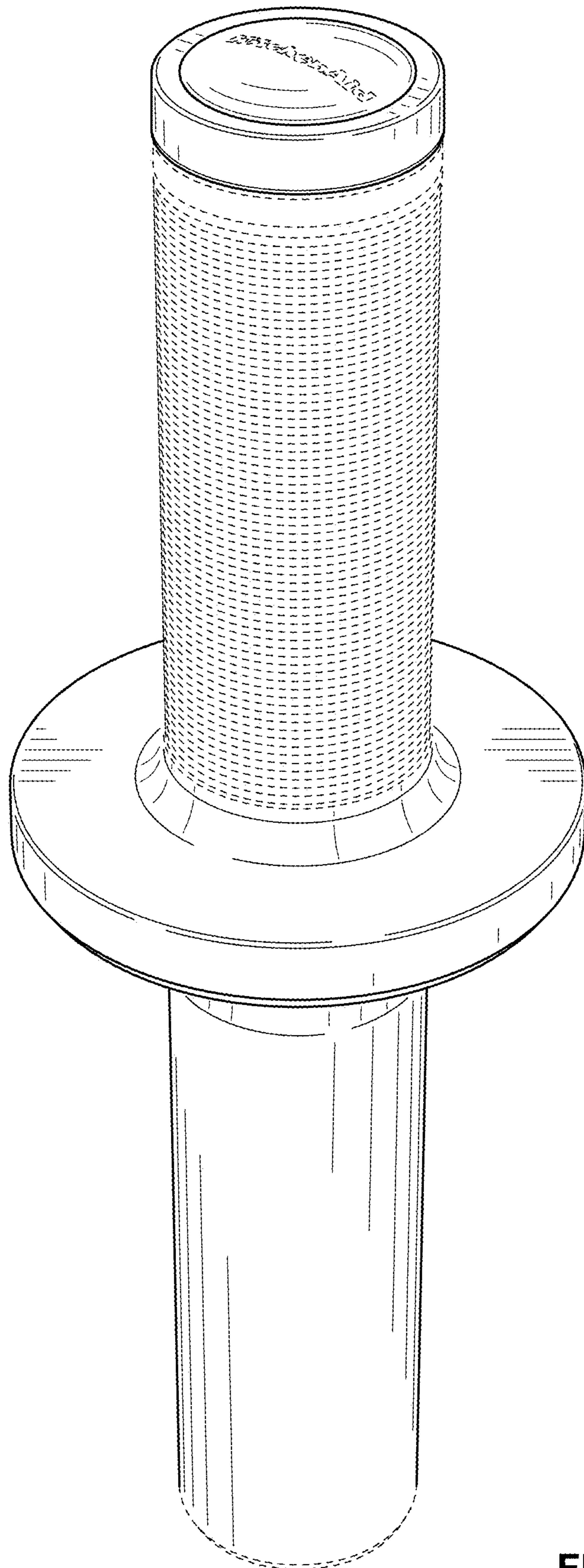


FIG. 1

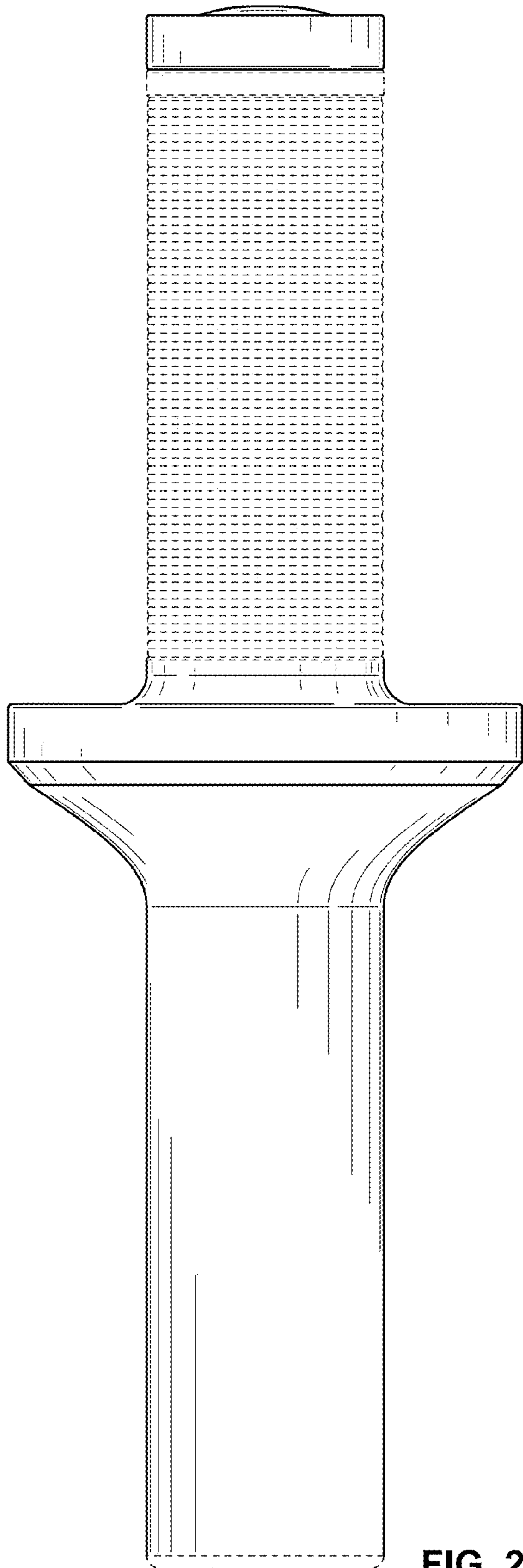


FIG. 2

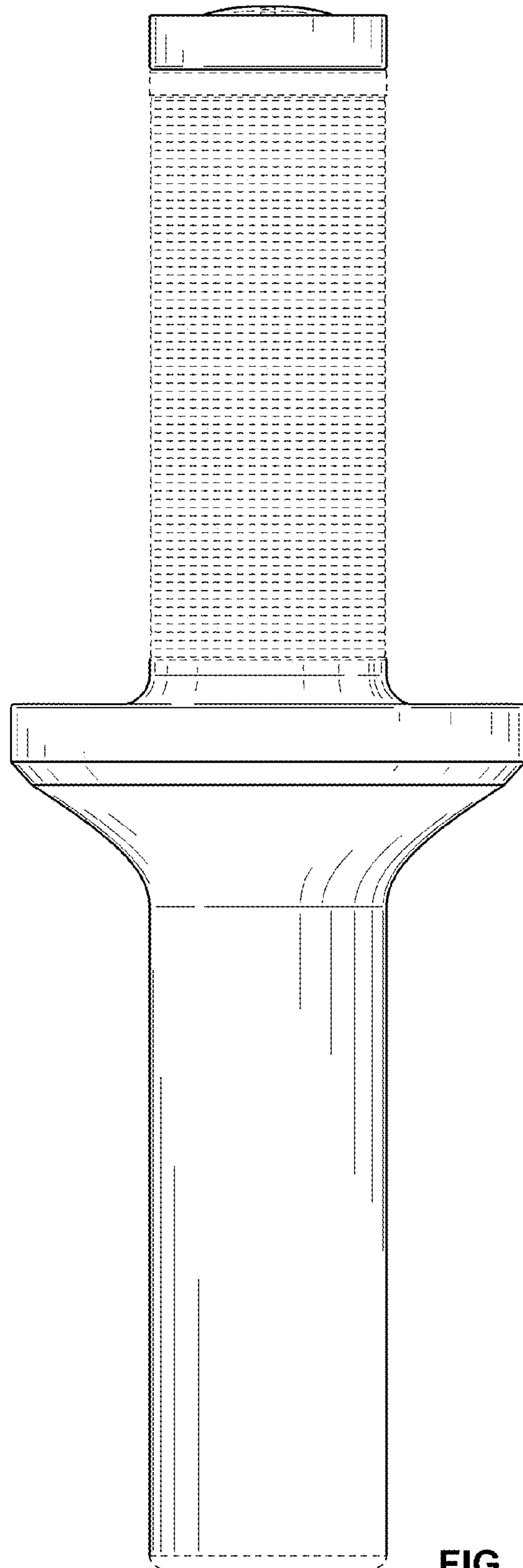


FIG. 3

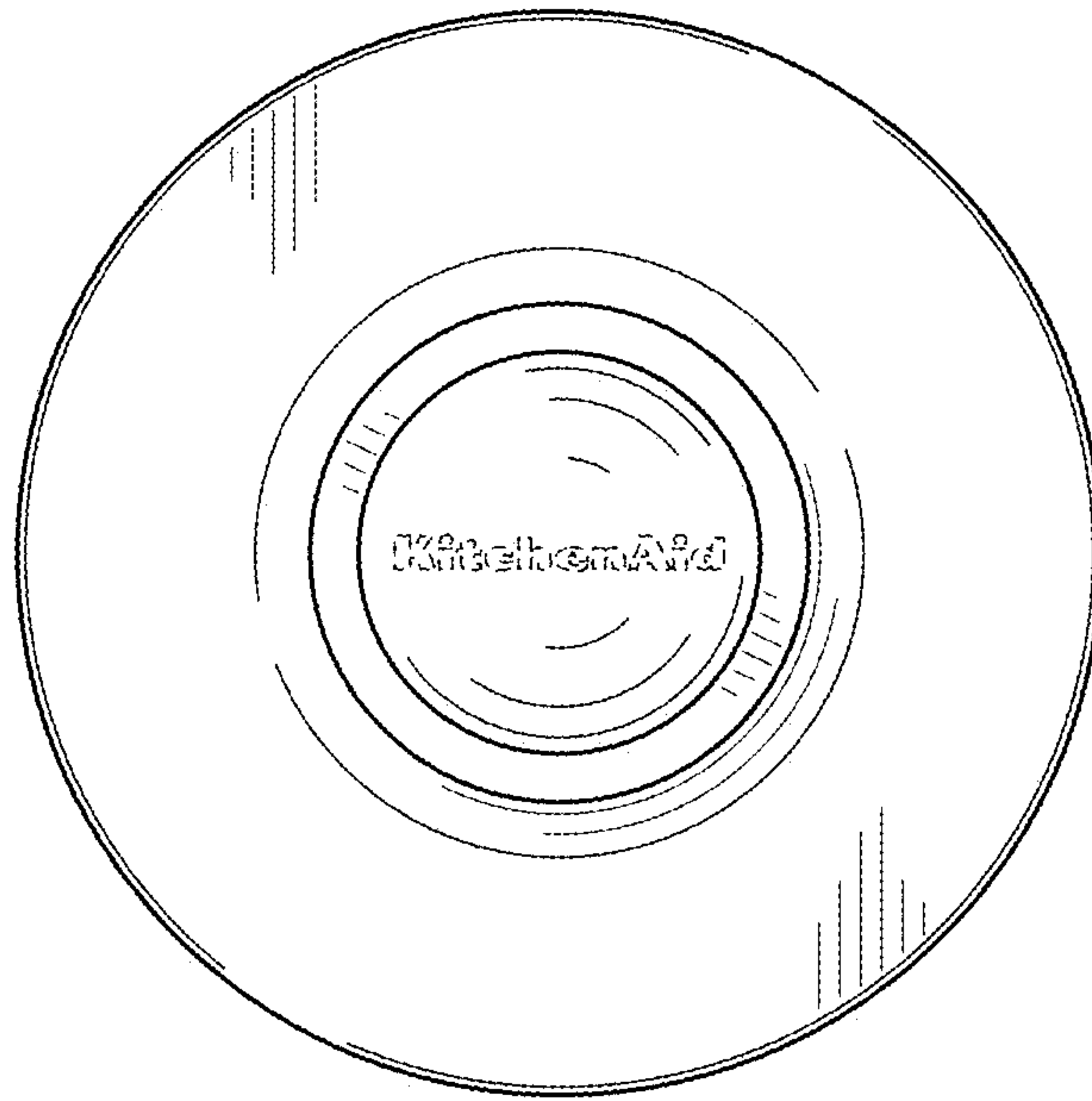


FIG. 4

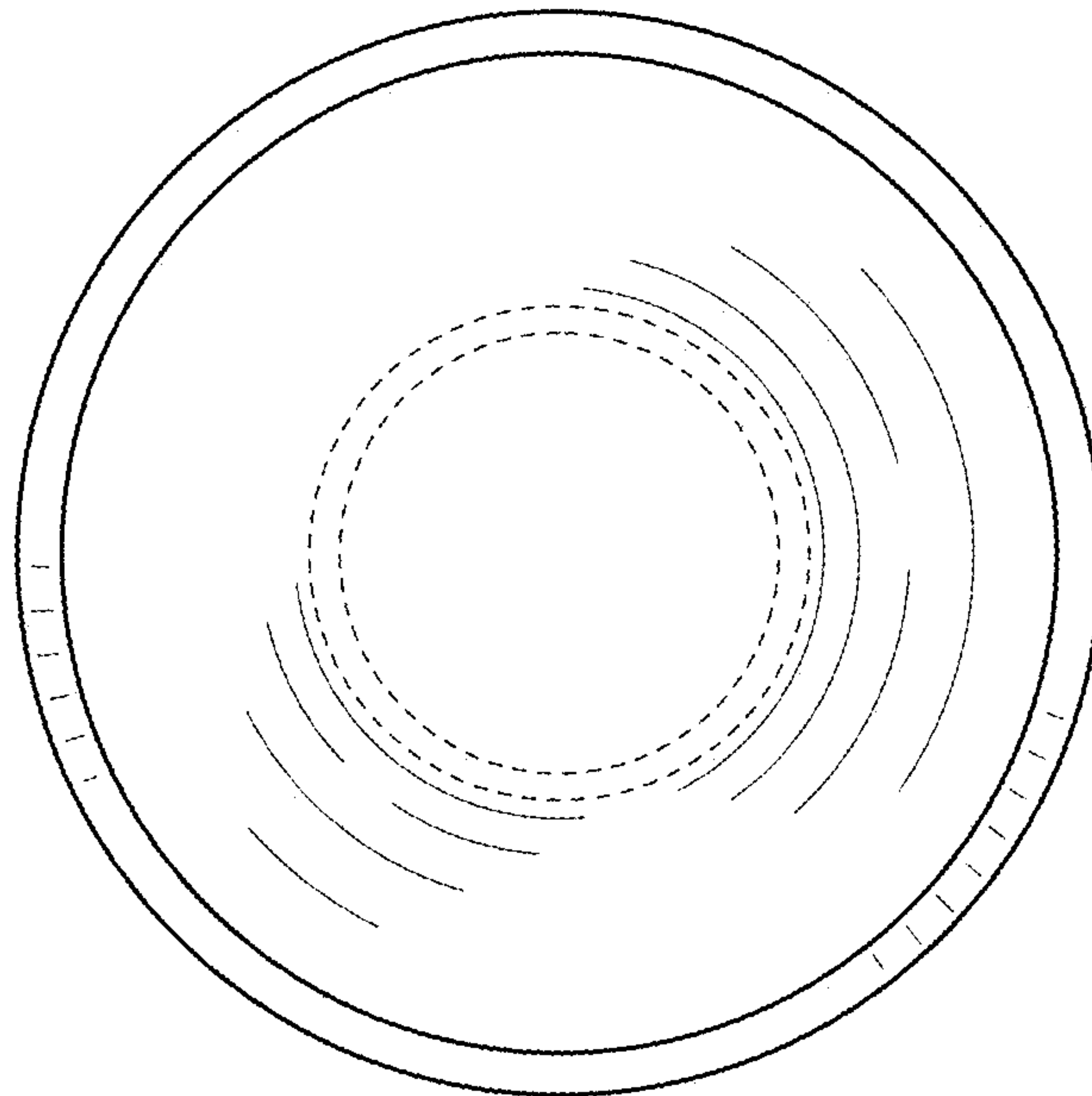


FIG. 5