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References Cited

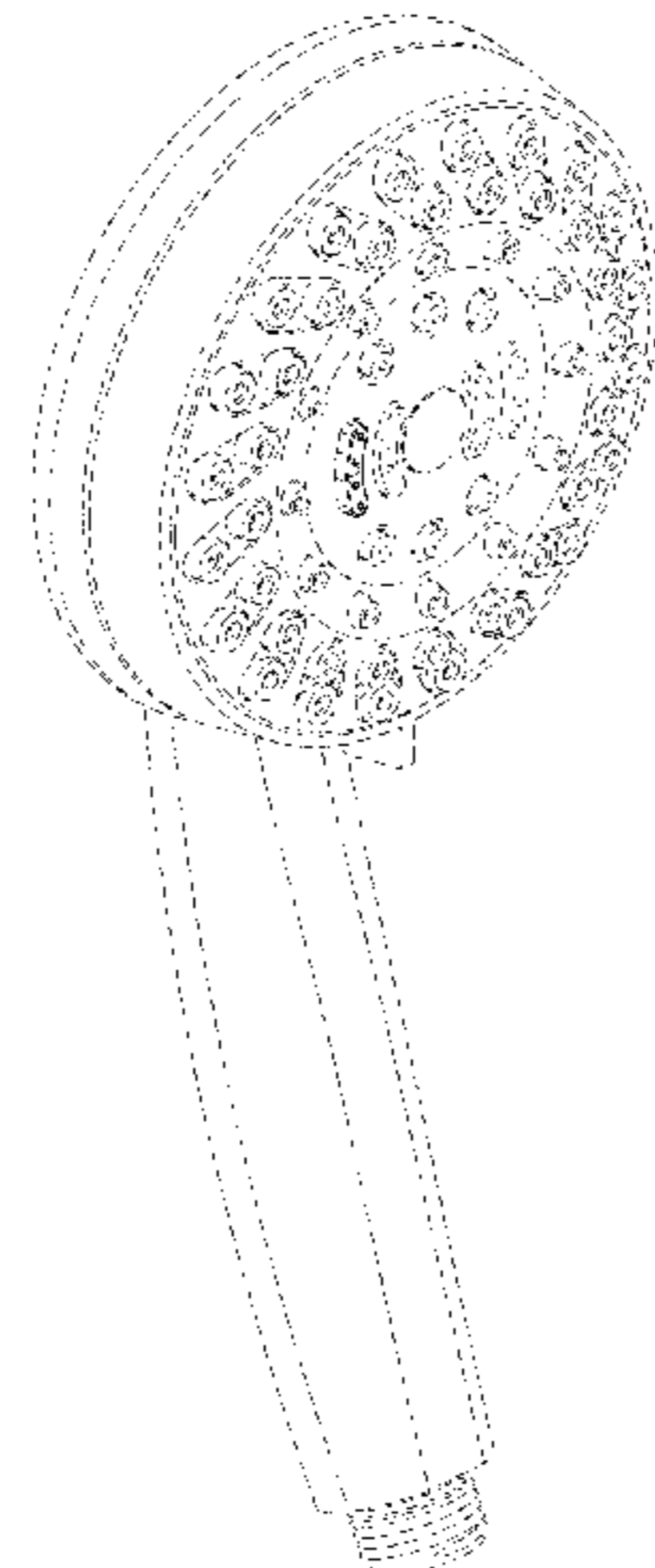
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U.S. PATENT DOCUMENTS

203,094 A	4/1878	Wakeman
204,333 A	5/1878	Josias
309,349 A	12/1884	Hart
428,023 A	5/1890	Schoff
432,712 A	7/1890	Taylor
445,250 A	1/1891	Lawless
453,109 A	5/1891	Dreisorner
486,986 A	11/1892	Schinke
566,384 A	8/1896	Engelhart
566,410 A	8/1896	Schinke
570,405 A	10/1896	Jerguson et al.
694,888 A	3/1902	Pfluger
800,802 A	10/1905	Franquist
832,523 A	10/1906	Andersson
835,678 A	11/1906	Hammond
845,540 A	2/1907	Ferguson
854,094 A	5/1907	Klein
926,929 A	7/1909	Dusseau
1,001,842 A	8/1911	Greenfield
1,003,037 A	9/1911	Crowe
1,018,143 A	2/1912	Vissering
1,046,573 A	12/1912	Ellis
1,130,520 A	3/1915	Kenney
1,203,466 A	10/1916	Benson
1,217,254 A	2/1917	Winslow
1,218,895 A	3/1917	Porter
1,255,577 A	2/1918	Berry
1,260,181 A	3/1918	Garnero
1,276,117 A	8/1918	Riebe
1,284,099 A	11/1918	Harris
1,327,428 A	1/1920	Gregory
1,451,800 A	4/1923	Agner
1,459,582 A	6/1923	Dubee
1,469,528 A	10/1923	Owens
1,500,921 A	7/1924	Bramson et al.
1,560,789 A	11/1925	Johnson et al.
1,597,477 A	8/1926	Panhorst
1,633,531 A	6/1927	Keller
1,669,949 A	5/1928	Reynolds
1,692,394 A	11/1928	Sundh
1,695,263 A	12/1928	Jacques
1,724,147 A	8/1929	Russell
1,724,161 A	8/1929	Wuesthoff
1,736,160 A	11/1929	Jonsson
1,754,127 A	4/1930	Srulowitz
1,758,115 A	5/1930	Kelly
1,778,658 A	10/1930	Baker
1,821,274 A	9/1931	Plummer
1,849,517 A	3/1932	Fraser

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US D1,029,184 S

Page 2

1,890,156 A	12/1932	Konig	3,393,312 A	7/1968	Dahl
1,906,575 A	5/1933	Goeriz	3,404,410 A	10/1968	Sumida
1,934,553 A	11/1933	Mueller et al.	3,492,029 A	1/1970	French et al.
1,946,207 A	2/1934	Haire	3,516,611 A	6/1970	Piggott
2,011,446 A	8/1935	Judell	3,546,961 A	12/1970	Marton
2,024,930 A	12/1935	Judell	3,550,863 A	12/1970	McDermott
2,033,467 A	3/1936	Groeniger	3,552,436 A	1/1971	Stewart
2,044,445 A	6/1936	Price et al.	3,565,116 A	2/1971	Gabin
2,085,854 A	7/1937	Hathaway et al.	3,566,917 A	3/1971	White
2,096,912 A	10/1937	Morris	3,580,513 A	5/1971	Martin
2,117,152 A	5/1938	Crosti	3,584,822 A	6/1971	Oram
D113,439 S	2/1939	Reinecke	3,596,835 A	8/1971	Smith et al.
2,196,783 A	4/1940	Shook	3,612,577 A	10/1971	Pope
2,197,667 A	4/1940	Shook	3,637,143 A	1/1972	Shames et al.
2,216,149 A	10/1940	Weiss	3,641,333 A	2/1972	Gendron
D126,433 S	4/1941	Enthof	3,647,144 A	3/1972	Parkison et al.
2,251,192 A	7/1941	Krumsiek et al.	3,663,044 A	5/1972	Contreras et al.
2,268,263 A	12/1941	Newell et al.	3,669,470 A	6/1972	Deurloo
2,285,831 A	6/1942	Pennypacker	3,672,648 A	6/1972	Price
2,342,757 A	2/1944	Roser	3,682,392 A	8/1972	Kint
2,402,741 A	6/1946	Draviner	3,685,745 A	8/1972	Peschcke-koedt
D147,258 S	8/1947	Becker	D224,834 S	9/1972	Laudell
D152,584 S	2/1949	Becker	3,711,029 A	1/1973	Bartlett
2,467,954 A	4/1949	Becker	3,722,798 A	3/1973	Bletcher et al.
2,518,709 A	8/1950	Mosby, Jr.	3,722,799 A	3/1973	Rauh
2,546,348 A	3/1951	Schuman	3,731,084 A	5/1973	Trevorrow
2,567,642 A	9/1951	Penshaw	3,754,779 A	8/1973	Peress
2,581,129 A	1/1952	Muldoon	D228,622 S	10/1973	Juhlin
D166,073 S	3/1952	Dunkelberger	3,762,648 A	10/1973	Deines et al.
2,648,762 A	8/1953	Dunkelberger	3,768,735 A	10/1973	Ward
2,664,271 A	12/1953	Arutunoff	3,786,995 A	1/1974	Manoogian et al.
2,671,693 A	3/1954	Hyser et al.	3,801,019 A	4/1974	Trenary et al.
2,676,806 A	4/1954	Bachman	3,810,580 A	5/1974	Rauh
2,679,575 A	5/1954	Haberstump	3,826,454 A	7/1974	Zieger
2,680,358 A	6/1954	Zublin	3,840,734 A	10/1974	Oram
2,726,120 A	12/1955	Bletcher et al.	3,845,291 A	10/1974	Portyrata
2,759,765 A	8/1956	Pawley	3,860,271 A	1/1975	Rodgers
2,776,168 A	1/1957	Schweda	3,861,719 A	1/1975	Hand
2,792,847 A	5/1957	Spencer	3,865,310 A	2/1975	Elkins et al.
2,873,999 A	2/1959	Webb	3,869,151 A	3/1975	Fletcher et al.
2,930,505 A	3/1960	Meyer	3,887,136 A	6/1975	Anderson
2,931,672 A	4/1960	Merritt et al.	3,896,845 A	7/1975	Parker
2,935,265 A	5/1960	Richter	3,902,671 A	9/1975	Symmons
2,949,242 A	8/1960	Blumberg et al.	3,910,277 A	10/1975	Zimmer
2,957,587 A	10/1960	Tobin	D237,708 S	11/1975	Grohe
2,966,311 A	12/1960	Davis	3,929,164 A	12/1975	Richter
D190,295 S	5/1961	Becker	3,929,287 A	12/1975	Givler et al.
2,992,437 A	7/1961	Nelson et al.	3,958,756 A	5/1976	Trenary et al.
3,007,648 A	11/1961	Fraser	D240,322 S	6/1976	Staub
D192,935 S	5/1962	Becker	3,963,179 A	6/1976	Tomaro
3,032,357 A	5/1962	Shames et al.	3,967,783 A	7/1976	Halsted et al.
3,034,809 A	5/1962	Greenberg	3,979,096 A	9/1976	Zieger
3,037,799 A	6/1962	Mulac	3,994,443 A	11/1976	Shenker
3,081,339 A	3/1963	Green et al.	3,997,116 A	12/1976	Moen
3,092,333 A	6/1963	Gaiotto	3,998,390 A	12/1976	Peterson et al.
3,098,508 A	7/1963	Gerdes	3,999,714 A	12/1976	Lang
3,103,723 A	9/1963	Becker	4,005,880 A	2/1977	Anderson et al.
3,104,815 A	9/1963	Schultz	4,006,920 A	2/1977	Sadler et al.
3,104,827 A	9/1963	Aghnides	4,023,782 A	5/1977	Eifer
3,111,277 A	11/1963	Grimsley	4,042,984 A	8/1977	Butler
3,112,073 A	11/1963	Larson et al.	4,045,054 A	8/1977	Arnold
3,143,857 A	8/1964	Eaton	D245,858 S	9/1977	Grube
3,196,463 A	7/1965	Farneth	D245,860 S	9/1977	Grube
3,231,200 A	1/1966	Heald	4,068,801 A	1/1978	Leutheuser
3,236,545 A	2/1966	Parkes et al.	4,081,135 A	3/1978	Tomaro
3,239,152 A	3/1966	Bachli et al.	4,084,271 A	4/1978	Ginsberg
3,266,059 A	8/1966	Stelle	4,091,998 A	5/1978	Peterson
3,272,437 A	9/1966	Coson	D249,356 S	9/1978	Nagy
3,273,359 A	9/1966	Fregeolle	4,117,979 A	10/1978	Lagarelli et al.
3,306,634 A	2/1967	Groves et al.	4,129,257 A	12/1978	Eggert
3,323,148 A	6/1967	Burnon	4,130,120 A	12/1978	Kohler, Jr.
3,329,967 A	7/1967	Martinez et al.	4,131,233 A	12/1978	Koenig
3,341,132 A	9/1967	Parkison	4,133,486 A	1/1979	Fanella
3,342,419 A	9/1967	Weese	4,135,549 A	1/1979	Baker
3,344,994 A	10/1967	Fife	D251,045 S	2/1979	Grube
3,363,842 A	1/1968	Burns	4,141,502 A	2/1979	Grohe
3,383,051 A	5/1968	Fiorentino	4,151,955 A	5/1979	Stouffer
3,389,925 A	6/1968	Gottschald	4,151,957 A	5/1979	Gecewicz et al.
3,393,311 A	7/1968	Dahl	4,162,801 A	7/1979	Kresky et al.

US D1,029,184 S

4,165,837 A	8/1979	Rundzaitis	4,719,654 A	1/1988	Blessing
4,167,196 A	9/1979	Morris	4,733,337 A	3/1988	Bieberstein
4,174,822 A	11/1979	Larsson	D295,437 S	4/1988	Fabian
4,185,781 A	1/1980	O'Brien	4,739,801 A	4/1988	Kimura et al.
4,190,207 A	2/1980	Fienhold et al.	4,749,126 A	6/1988	Kessener et al.
4,191,332 A	3/1980	De Langis et al.	D296,582 S	7/1988	Haug et al.
4,203,550 A	5/1980	On	4,754,928 A	7/1988	Rogers et al.
4,209,132 A	6/1980	Kwan	D297,160 S	8/1988	Robbins
D255,626 S	7/1980	Grube	4,764,047 A	8/1988	Johnston et al.
4,219,160 A	8/1980	Allred, Jr.	4,778,104 A	10/1988	Fisher
4,221,338 A	9/1980	Shames et al.	4,778,111 A	10/1988	Leap
4,239,409 A	12/1980	Osrwo	4,787,591 A	11/1988	Villacorta
4,243,253 A	1/1981	Rogers, Jr.	4,790,294 A	12/1988	Allred, III et al.
4,244,526 A	1/1981	Arth	4,801,091 A	1/1989	Sandvik
D258,677 S	3/1981	Larsson	4,809,369 A	3/1989	Bowden
4,254,914 A	3/1981	Shames et al.	4,839,599 A	6/1989	Fischer
4,258,414 A	3/1981	Sokol	4,841,590 A	6/1989	Terry
4,272,022 A	6/1981	Evans	4,842,059 A	6/1989	Tomek
4,274,400 A	6/1981	Baus	D302,325 S	7/1989	Charet et al.
4,275,843 A	6/1981	Moen	4,850,616 A	7/1989	Pava
4,282,612 A	8/1981	King	4,854,499 A	8/1989	Neuman
D261,300 S	10/1981	Klose	4,856,822 A	8/1989	Parker
D261,417 S	10/1981	Klose	4,865,362 A	9/1989	Holden
4,303,201 A	12/1981	Elkins et al.	D303,830 S	10/1989	Ramsey et al.
4,319,608 A	3/1982	Raikov et al.	4,871,196 A	10/1989	Kingsford
4,324,364 A	4/1982	Buzzi et al.	4,896,658 A	1/1990	Yonekubo et al.
4,330,089 A	5/1982	Finkbeiner	D306,351 S	2/1990	Charet et al.
D266,212 S	9/1982	Haug et al.	4,901,927 A	2/1990	Valdivia
4,350,298 A	9/1982	Tada	4,903,178 A	2/1990	Englot et al.
4,353,508 A	10/1982	Butterfield et al.	4,903,897 A	2/1990	Hayes
4,358,056 A	11/1982	Greenhut et al.	4,903,922 A	2/1990	Harris, III
D267,582 S	1/1983	Mackay et al.	4,907,137 A	3/1990	Schladitz et al.
D268,359 S	3/1983	Klose	4,907,744 A	3/1990	Jousson
D268,442 S	3/1983	Darmon	4,909,435 A	3/1990	Kidouchi et al.
D268,611 S	4/1983	Klose	4,914,759 A	4/1990	Goff
4,383,554 A	5/1983	Merriman	4,946,202 A	8/1990	Perricone
4,396,797 A	8/1983	Sakuragi et al.	4,951,329 A	8/1990	Shaw
4,398,669 A	8/1983	Fienhold	4,953,585 A	9/1990	Rollini et al.
4,425,965 A	1/1984	Bayh, III et al.	4,964,573 A	10/1990	Lipski
4,432,392 A	2/1984	Paley	4,972,048 A	11/1990	Martin
D274,457 S	6/1984	Haug	D313,267 S	12/1990	Lenci et al.
4,461,052 A	7/1984	Mostul	4,976,460 A	12/1990	Newcombe et al.
4,465,308 A	8/1984	Martini	D314,246 S	1/1991	Bache
4,467,964 A	8/1984	Kaeser	D315,191 S	3/1991	Mikol
4,495,550 A	1/1985	Visciano	4,998,673 A	3/1991	Pilolla
4,527,745 A	7/1985	Butterfield et al.	5,004,158 A	4/1991	Halem et al.
4,540,202 A	9/1985	Amphoux et al.	D317,348 S	6/1991	Geneve et al.
4,545,081 A	10/1985	Nestor et al.	5,020,570 A	6/1991	Cotter
4,553,775 A	11/1985	Halling	5,022,103 A	6/1991	Faist
D281,820 S	12/1985	Oba et al.	D317,968 S	7/1991	Tsai
4,561,593 A	12/1985	Cammack et al.	5,032,015 A	7/1991	Christianson
D282,096 S *	1/1986	Levand D21/783	5,033,528 A	7/1991	Volcani
4,564,889 A	1/1986	Bolson	5,033,897 A	7/1991	Chen
D282,775 S *	2/1986	Floyd, Sr. D6/696.3	D319,294 S	8/1991	Kohler, Jr. et al.
4,571,003 A	2/1986	Roling et al.	D320,064 S	9/1991	Presman
4,572,232 A	2/1986	Gruber	5,046,764 A	9/1991	Kimura et al.
D283,645 S	4/1986	Tanaka	D321,062 S	10/1991	Bonbright
4,587,991 A	5/1986	Chorkey	5,058,804 A	10/1991	Yonekubo et al.
4,588,130 A	5/1986	Trenary et al.	D322,119 S	12/1991	Haug et al.
4,598,866 A	7/1986	Cammack et al.	D322,681 S	12/1991	Yuen
4,614,303 A	9/1986	Moseley, Jr. et al.	5,070,552 A	12/1991	Gentry et al.
4,616,298 A	10/1986	Bolson	D323,545 S	1/1992	Ward
4,618,100 A	10/1986	White et al.	5,082,019 A	1/1992	Tetrault
4,629,124 A	12/1986	Gruber	5,086,878 A	2/1992	Swift
4,629,125 A	12/1986	Liu	5,090,624 A	2/1992	Rogers
4,643,463 A	2/1987	Halling et al.	5,100,055 A	3/1992	Rokitenetz et al.
4,645,244 A	2/1987	Curtis	D325,769 S	4/1992	Haug et al.
RE32,386 E	3/1987	Hunter	D325,770 S	4/1992	Haug et al.
4,650,120 A	3/1987	Kress	5,103,384 A	4/1992	Drohan
4,650,470 A	3/1987	Epstein	D326,311 S	5/1992	Lenci et al.
4,652,025 A	3/1987	Conroy, Sr.	D327,115 S	6/1992	Rogers
4,654,900 A	4/1987	McGhee	5,121,511 A	6/1992	Sakamoto et al.
4,657,185 A	4/1987	Rundzaitis	D327,729 S	7/1992	Rogers
4,669,666 A	6/1987	Finkbeiner	5,127,580 A	7/1992	Fu-I
4,669,757 A	6/1987	Bartholomew	5,134,251 A	7/1992	Martin
4,674,687 A	6/1987	Smith et al.	D328,944 S	8/1992	Robbins
4,683,917 A	8/1987	Bartholomew	5,141,016 A	8/1992	Nowicki
4,703,893 A	11/1987	Gruber	D329,504 S	9/1992	Yuen
4,717,180 A	1/1988	Roman	5,143,300 A	9/1992	Cutler

US D1,029,184 S

5,145,114 A	9/1992	Monch	D355,242 S	2/1995	Warshawsky
5,148,556 A	9/1992	Bottoms et al.	D355,703 S	2/1995	Duell
D330,068 S	10/1992	Haug et al.	D356,626 S	3/1995	Wang
D330,408 S	10/1992	Thacker	5,397,064 A	3/1995	Heitzman
D330,409 S	10/1992	Raffo	5,398,872 A	3/1995	Joubran
5,153,976 A	10/1992	Benchaar et al.	5,398,977 A	3/1995	Berger et al.
5,154,355 A	10/1992	Gonzalez	5,402,812 A	4/1995	Moineau et al.
5,154,483 A	10/1992	Zeller	5,405,089 A	4/1995	Heimann et al.
5,161,567 A	11/1992	Humpert	5,414,879 A	5/1995	Hiraishi et al.
5,163,752 A	11/1992	Copeland et al.	5,423,348 A	6/1995	Jezek et al.
5,171,429 A	12/1992	Yasuo	5,433,384 A	7/1995	Chan et al.
5,172,860 A	12/1992	Yuch	D361,399 S	8/1995	Carbone et al.
5,172,862 A	12/1992	Heimann et al.	D361,623 S	8/1995	Huen
5,172,866 A	12/1992	Ward	5,441,075 A	8/1995	Clare
D332,303 S	1/1993	Klose	5,449,206 A	9/1995	Lockwood
D332,994 S	2/1993	Huen	D363,360 S	10/1995	Santarsiero
D333,339 S	2/1993	Klose	5,454,809 A	10/1995	Janssen
5,197,767 A	3/1993	Kimura et al.	5,468,057 A	11/1995	Megerle et al.
D334,794 S	4/1993	Klose	D364,935 S	12/1995	deBlois
D335,171 S	4/1993	Lenci et al.	D365,625 S	12/1995	Bova
5,201,468 A	4/1993	Freier et al.	D365,646 S	12/1995	deBlois
5,206,963 A	5/1993	Wiens	5,476,225 A	12/1995	Chan
5,207,499 A	5/1993	Vajda et al.	D366,309 S	1/1996	Huang
5,213,267 A	5/1993	Heimann et al.	D366,707 S	1/1996	Kaiser
5,220,697 A	6/1993	Birchfield	D366,708 S	1/1996	Santarsiero
D337,839 S	7/1993	Zeller	D366,709 S	1/1996	Szymanski
5,228,625 A	7/1993	Grassberger	D366,710 S	1/1996	Szymanski
5,230,106 A	7/1993	Henkin et al.	5,481,765 A	1/1996	Wang
D338,542 S	8/1993	Yuen	D366,948 S	2/1996	Carbone
5,232,162 A	8/1993	Chih	D367,315 S	2/1996	Andrus
D339,492 S	9/1993	Klose	D367,333 S	2/1996	Swyst
D339,627 S	9/1993	Klose	D367,696 S	3/1996	Andrus
D339,848 S	9/1993	Gottwald	D367,934 S	3/1996	Carbone
5,246,169 A	9/1993	Heimann et al.	D368,146 S	3/1996	Carbone
5,246,301 A	9/1993	Hirasawa	D368,317 S	3/1996	Swyst
D340,376 S	10/1993	Klose	5,499,767 A	3/1996	Morand
5,253,670 A	10/1993	Perrott	D368,539 S	4/1996	Carbone et al.
5,253,807 A	10/1993	Newbegin	D368,540 S	4/1996	Santarsiero
5,254,809 A	10/1993	Martin	D368,541 S	4/1996	Kaiser et al.
D341,007 S	11/1993	Haug et al.	D368,542 S	4/1996	deBlois et al.
D341,191 S	11/1993	Klose	D369,204 S	4/1996	Andrus
D341,220 S	11/1993	Eagan	D369,205 S	4/1996	Andrus
5,263,646 A	11/1993	McCauley	5,507,436 A	4/1996	Ruttenberg
5,265,833 A	11/1993	Heimann et al.	D369,873 S	5/1996	deBlois et al.
5,268,826 A	12/1993	Greene	D369,874 S	5/1996	Santarsiero
5,276,596 A	1/1994	Krenzel	D369,875 S	5/1996	Carbone
5,277,391 A	1/1994	Haug et al.	D370,052 S	5/1996	Chan et al.
5,286,071 A	2/1994	Storage	D370,250 S	5/1996	Fawcett et al.
5,288,110 A	2/1994	Allread	D370,277 S	5/1996	Kaiser
5,294,054 A	3/1994	Benedict et al.	D370,278 S	5/1996	Nolan
5,297,735 A	3/1994	Heimann et al.	D370,279 S	5/1996	deBlois
5,297,739 A	3/1994	Allen	D370,280 S	5/1996	Kaiser
D345,811 S	4/1994	Van Deursen et al.	D370,281 S	5/1996	Johnstone et al.
D346,426 S	4/1994	Warshawsky	5,517,392 A	5/1996	Rouso et al.
D346,428 S	4/1994	Warshawsky	5,521,803 A	5/1996	Eckert et al.
D346,430 S	4/1994	Warshawsky	D370,542 S	6/1996	Santarsiero
D347,262 S	5/1994	Black et al.	D370,735 S	6/1996	deBlois
D347,265 S	5/1994	Gottwald	D370,987 S	6/1996	Santarsiero
5,316,216 A	5/1994	Cammack et al.	D370,988 S	6/1996	Santarsiero
D348,720 S	7/1994	Haug et al.	D371,448 S	7/1996	Santarsiero
5,329,650 A	7/1994	Zaccai et al.	D371,618 S	7/1996	Nolan
D349,947 S	8/1994	Hing-Wah	D371,619 S	7/1996	Szymanski
5,333,787 A	8/1994	Smith et al.	D371,856 S	7/1996	Carbone
5,333,789 A	8/1994	Garneys	D372,318 S	7/1996	Szymanski
5,340,064 A	8/1994	Heimann et al.	D372,319 S	7/1996	Carbone
5,340,165 A	8/1994	Sheppard	5,531,625 A	7/1996	Zhong
D350,808 S	9/1994	Warshawsky	5,539,624 A	7/1996	Dougherty
5,344,080 A	9/1994	Matsui	D372,548 S	8/1996	Carbone
5,349,987 A	9/1994	Shieh	D372,998 S	8/1996	Carbone
5,356,076 A	10/1994	Bishop	D373,210 S	8/1996	Santarsiero
5,356,077 A	10/1994	Shames	5,547,132 A	8/1996	Grogran
D352,092 S	11/1994	Warshawsky	5,547,374 A	8/1996	Coleman
D352,347 S	11/1994	Dannenberg	D373,434 S	9/1996	Nolan
D352,766 S	11/1994	Hill et al.	D373,435 S	9/1996	Nolan
D352,851 S *	11/1994	Hosoe D6/696.3	D373,645 S	9/1996	Johnstone et al.
5,368,235 A	11/1994	Drozdoiff et al.	D373,646 S	9/1996	Szymanski et al.
5,369,556 A	11/1994	Zeller	D373,647 S	9/1996	Kaiser
5,370,427 A	12/1994	Hoelle et al.	D373,648 S	9/1996	Kaiser
5,385,500 A	1/1995	Schmidt	D373,649 S	9/1996	Carbone

US D1,029,184 S

D373,651 S	9/1996	Szymanski	D403,754 S	1/1999	Gottwald
D373,652 S	9/1996	Kaiser	D404,116 S	1/1999	Bosio
5,551,637 A	9/1996	Lo	5,855,348 A	1/1999	Fornara
5,552,973 A	9/1996	Hsu	5,860,599 A	1/1999	Lin
5,558,278 A	9/1996	Gallorini	5,862,543 A	1/1999	Reynoso et al.
D374,271 S	10/1996	Fleischmann	5,862,985 A	1/1999	Neibbrook et al.
D374,297 S	10/1996	Kaiser	D405,502 S	2/1999	Tse
D374,298 S	10/1996	Swyst	5,865,375 A	2/1999	Hsu
D374,299 S	10/1996	Carbone	5,865,378 A	2/1999	Hollinshead et al.
D374,493 S	10/1996	Szymanski	5,873,647 A	2/1999	Kurtz et al.
D374,494 S	10/1996	Santarsiero	D408,893 S	4/1999	Tse
D374,732 S	10/1996	Kaiser	D409,276 S	5/1999	Ratzlaff
D374,733 S	10/1996	Santasiero	D410,276 S	5/1999	Ben-Tsur
5,560,548 A	10/1996	Mueller et al.	5,918,809 A	7/1999	Simmons
5,567,115 A	10/1996	Carbone	5,918,811 A	7/1999	Denham et al.
D375,541 S	11/1996	Michaluk	D413,157 S	8/1999	Ratzlaff
5,577,664 A	11/1996	Heitzman	5,937,905 A	8/1999	Santos
D376,217 S	12/1996	Kaiser	5,938,123 A	8/1999	Heitzman
D376,860 S	12/1996	Santarsiero	5,941,462 A	8/1999	Sandor
D376,861 S	12/1996	Johnstone et al.	5,947,388 A	9/1999	Woodruff
D376,862 S	12/1996	Carbone	D415,247 S	10/1999	Haverstraw et al.
5,605,173 A	2/1997	Arnaud	5,961,046 A	10/1999	Joubran
D378,401 S	3/1997	Neufeld et al.	5,967,417 A	10/1999	Mantel
5,613,638 A	3/1997	Blessing	5,979,776 A	11/1999	Williams
5,613,639 A	3/1997	Storm et al.	5,992,762 A	11/1999	Wang
5,615,837 A	4/1997	Roman	D418,200 S	12/1999	Ben-Tsur
5,624,074 A	4/1997	Parisi	5,997,047 A	12/1999	Pimentel et al.
5,624,498 A	4/1997	Lee et al.	6,003,165 A	12/1999	Loyd
D379,212 S	5/1997	Chan	D418,902 S	1/2000	Haverstraw et al.
D379,404 S	5/1997	Spelts	D418,903 S	1/2000	Haverstraw et al.
5,632,049 A	5/1997	Chen	D418,904 S	1/2000	Milrud
D381,405 S	7/1997	Waidele et al.	6,016,975 A	1/2000	Amaduzzi
D381,737 S	7/1997	Chan	D421,099 S	2/2000	Mullenmeister
D382,936 S	8/1997	Shfaram	6,021,960 A	2/2000	Kehat
5,653,260 A	8/1997	Huber	D422,053 S	3/2000	Brenner et al.
D383,017 S *	9/1997	Kelly D6/696.3	6,042,027 A	3/2000	Sandvik
5,667,146 A	9/1997	Pimentel et al.	6,042,155 A	3/2000	Lockwood
D385,332 S	10/1997	Andrus	D422,336 S	4/2000	Haverstraw et al.
D385,333 S	10/1997	Caroen et al.	D422,337 S	4/2000	Chan
D385,334 S	10/1997	Caroen et al.	D423,083 S	4/2000	Haug et al.
D385,616 S	10/1997	Dow et al.	D423,110 S	4/2000	Cipkowski
D385,947 S	11/1997	Dow et al.	D424,160 S	5/2000	Haug et al.
D387,230 S	12/1997	von Buelow et al.	D424,161 S	5/2000	Haug et al.
5,697,557 A	12/1997	Blessing et al.	D424,162 S	5/2000	Haug et al.
5,699,964 A	12/1997	Bergmann et al.	D424,163 S	5/2000	Haug et al.
5,702,057 A	12/1997	Huber	D426,290 S	6/2000	Haug et al.
D389,558 S	1/1998	Andrus	D427,661 S	7/2000	Haverstraw et al.
5,704,080 A	1/1998	Kuhne	D428,110 S	7/2000	Haug et al.
5,707,011 A	1/1998	Bosio	D428,125 S	7/2000	Chan
5,718,380 A	2/1998	Schorn et al.	6,085,780 A	7/2000	Morris
D392,369 S	3/1998	Chan	D430,267 S	8/2000	Milrud et al.
5,730,361 A	3/1998	Thonnes	6,095,801 A	8/2000	Spiewak
5,730,362 A	3/1998	Cordes	D430,643 S	9/2000	Tse
5,730,363 A	3/1998	Kress	6,113,002 A	9/2000	Finkbeiner
5,742,961 A	4/1998	Casperson et al.	6,123,272 A	9/2000	Havican et al.
D394,490 S	5/1998	Andrus et al.	6,123,308 A	9/2000	Faisst
5,746,375 A	5/1998	Guo	D431,939 S *	10/2000	Risdall D6/696.3
5,749,552 A	5/1998	Fan	D432,624 S	10/2000	Chan
5,749,602 A	5/1998	Delaney et al.	D432,625 S	10/2000	Chan
D394,899 S	6/1998	Caroen et al.	D433,096 S	10/2000	Tse
D395,074 S	6/1998	Neibbrook et al.	D433,097 S	10/2000	Tse
D395,075 S	6/1998	Kolada	6,126,091 A	10/2000	Heitzman
D395,142 S	6/1998	Neibbrook	6,126,290 A	10/2000	Veigel
5,764,760 A	6/1998	Grandbert et al.	D434,109 S	11/2000	Ko
5,765,760 A	6/1998	Kuo	6,164,569 A	12/2000	Hollinshead et al.
5,769,802 A	6/1998	Wang	6,164,570 A	12/2000	Smeltzer
5,772,120 A	6/1998	Huber	D435,889 S	1/2001	Ben-Tsur et al.
5,778,939 A	7/1998	Hok-Yin	D439,305 S	3/2001	Slothower
5,788,157 A	8/1998	Kress	6,199,580 B1	3/2001	Morris
D398,370 S	9/1998	Purdy	6,202,679 B1	3/2001	Titus
5,806,771 A	9/1998	Loschelder et al.	D440,276 S	4/2001	Slothower
5,819,791 A	10/1998	Chronister et al.	D440,277 S	4/2001	Slothower
5,820,574 A	10/1998	Henkin et al.	D440,278 S	4/2001	Slothower
5,823,431 A	10/1998	Pierce	D441,059 S	4/2001	Fleischmann
5,823,442 A	10/1998	Guo	6,209,799 B1	4/2001	Finkbeiner
5,826,803 A	10/1998	Cooper	D443,025 S	5/2001	Kollmann et al.
5,833,138 A	11/1998	Crane et al.	D443,026 S	5/2001	Kollmann et al.
5,839,666 A	11/1998	Heimann et al.	D443,027 S	5/2001	Kollmann et al.
D402,350 S	12/1998	Andrus	D443,029 S	5/2001	Kollmann et al.

US D1,029,184 S

6,223,998 B1	5/2001	Heitzman	6,691,338 B2	2/2004	Zieger
6,230,984 B1	5/2001	Jager	6,691,933 B1	2/2004	Bosio
6,230,988 B1	5/2001	Chao et al.	D487,301 S	3/2004	Haug et al.
6,230,989 B1	5/2001	Haverstraw et al.	D487,498 S	3/2004	Blomstrom
D443,335 S	6/2001	Andrus	6,701,953 B2	3/2004	Agosta
D443,336 S	6/2001	Kollmann et al.	6,715,699 B1	4/2004	Greenberg et al.
D443,347 S	6/2001	Gottwald	6,719,218 B2	4/2004	Cool et al.
6,241,166 B1	6/2001	Overington et al.	D489,798 S	5/2004	Hunt
6,250,572 B1	6/2001	Chen	D490,498 S	5/2004	Golichowski
D444,846 S	7/2001	Cross	6,736,336 B2	5/2004	Wong
D444,865 S	7/2001	Gottwald	6,739,523 B2	5/2004	Haverstraw et al.
D445,871 S	7/2001	Fan	6,739,527 B1	5/2004	Chung
6,254,014 B1	7/2001	Clearman et al.	D492,004 S	6/2004	Haug et al.
6,270,278 B1	8/2001	Mauro	D492,007 S	6/2004	Kollmann et al.
6,276,004 B1	8/2001	Bertrand et al.	6,742,725 B1	6/2004	Fan
6,283,447 B1	9/2001	Fleet	D493,208 S	7/2004	Lin
6,286,764 B1	9/2001	Garvey et al.	D493,864 S	8/2004	Haug et al.
D449,673 S	10/2001	Kollmann et al.	D494,655 S	8/2004	Lin
D450,370 S	11/2001	Wales et al.	D494,661 S	8/2004	Zieger et al.
D450,805 S	11/2001	Lindholm et al.	D495,027 S	8/2004	Mazzola
D450,806 S	11/2001	Lindholm et al.	6,776,357 B1	8/2004	Naito
D450,807 S	11/2001	Lindholm et al.	6,789,751 B1	9/2004	Fan
D451,169 S	11/2001	Lindholm et al.	D496,987 S	10/2004	Glunk
D451,170 S	11/2001	Lindholm et al.	D497,974 S	11/2004	Haug et al.
D451,171 S	11/2001	Lindholm et al.	D498,514 S	11/2004	Haug et al.
D451,172 S	11/2001	Lindholm et al.	D500,121 S	12/2004	Blomstrom
6,321,777 B1	11/2001	Wu	6,827,039 B1	12/2004	Nelson
6,322,006 B1	11/2001	Guo	D500,549 S	1/2005	Blomstrom
D451,583 S	12/2001	Lindholm et al.	D501,242 S	1/2005	Blomstrom
D451,980 S	12/2001	Lindholm et al.	D502,760 S	3/2005	Zieger et al.
D452,553 S	12/2001	Lindholm et al.	D502,761 S	3/2005	Zieger et al.
D452,725 S	1/2002	Lindholm et al.	D503,211 S	3/2005	Lin
D452,897 S	1/2002	Gillette et al.	D503,463 S	3/2005	Hughes et al.
6,336,764 B1	1/2002	Liu	6,860,437 B1	3/2005	Amendt et al.
6,338,170 B1	1/2002	De Simone	6,863,227 B2	3/2005	Wollenberg et al.
D453,369 S	2/2002	Lobermeier	6,869,030 B2	3/2005	Blessing et al.
D453,370 S	2/2002	Lindholm et al.	D503,774 S	4/2005	Zieger
D453,551 S	2/2002	Lindholm et al.	D503,775 S	4/2005	Zieger
6,349,735 B2	2/2002	Gul	D503,966 S	4/2005	Zieger
D454,617 S	3/2002	Curbbun et al.	6,899,292 B2	5/2005	Titinet
D454,938 S	3/2002	Lord	D506,243 S	6/2005	Wu
6,375,342 B1	4/2002	Koren et al.	D507,037 S	7/2005	Wu
D457,937 S	5/2002	Lindholm et al.	6,935,581 B2	8/2005	Titinet
6,382,531 B1	5/2002	Tracy	D509,280 S	9/2005	Bailey et al.
D458,348 S	6/2002	Mullenmeister	D509,563 S	9/2005	Bailey et al.
6,412,711 B1	7/2002	Fan	D510,123 S	9/2005	Tsai
D461,224 S	8/2002	Lobermeier	D511,809 S	11/2005	Haug et al.
D461,878 S	8/2002	Green et al.	D512,119 S	11/2005	Haug et al.
6,450,425 B1	9/2002	Chen	6,981,661 B1	1/2006	Chen
6,454,186 B2	9/2002	Haverstraw et al.	D516,169 S	2/2006	Wu
6,463,658 B1	10/2002	Larsson	7,000,854 B2	2/2006	Malek et al.
6,464,265 B1	10/2002	Mikol	7,004,409 B2	2/2006	Okubo
D465,552 S	11/2002	Tse	7,004,410 B2	2/2006	Li
D465,553 S	11/2002	Singtoroj	D520,109 S	5/2006	Wu
6,484,952 B2	11/2002	Koren	7,040,554 B2	5/2006	Drennow
D468,800 S	1/2003	Tse	7,048,210 B2	5/2006	Clark
D469,165 S	1/2003	Lim	7,055,767 B1	6/2006	Ko
6,502,796 B1	1/2003	Wales	D525,341 S	7/2006	Bossini
6,508,415 B2	1/2003	Wang	7,070,125 B2	7/2006	Williams et al.
6,511,001 B1	1/2003	Huang	7,077,342 B2	7/2006	Lee
D470,219 S	2/2003	Schweitzer	D527,440 S	8/2006	Macan
6,516,070 B2	2/2003	Macey	7,093,780 B1	8/2006	Chung
D471,253 S	3/2003	Tse	7,097,122 B1	8/2006	Farley
D471,953 S	3/2003	Colligan et al.	D527,790 S	9/2006	Hughes et al.
6,533,194 B2	3/2003	Marsh et al.	D528,631 S	9/2006	Gillette et al.
6,537,455 B2	3/2003	Farley	7,100,845 B1	9/2006	Hsieh
D472,958 S	4/2003	Ouyoung	7,111,795 B2	9/2006	Thong
6,550,697 B2	4/2003	Lai	7,111,798 B2	9/2006	Thomas et al.
6,585,174 B1	7/2003	Huang	D530,389 S	10/2006	Glenslak et al.
6,595,439 B1	7/2003	Chen	D530,392 S	10/2006	Tse
6,607,148 B1	8/2003	Marsh et al.	D531,259 S	10/2006	Hsieh
6,611,971 B1	9/2003	Antoniello et al.	7,114,666 B2	10/2006	Luetzgen et al.
6,637,676 B2	10/2003	Zieger et al.	D533,253 S	12/2006	Luetzgen et al.
6,641,057 B2	11/2003	Thomas et al.	D534,239 S	12/2006	Dingler et al.
D483,837 S	12/2003	Fan	D535,354 S	1/2007	Wu
6,659,117 B2	12/2003	Gilmore	D536,060 S	1/2007	Sadler
6,659,372 B2	12/2003	Marsh et al.	7,156,325 B1	1/2007	Chen
D485,887 S	1/2004	Luetzgen et al.	7,182,043 B1	2/2007	Nelson
D486,888 S	2/2004	Lobermeier	D538,391 S	3/2007	Mazzola

US D1,029,184 S

D540,424 S	4/2007	Kirar	D641,830 S	7/2011	Alexander	
D540,425 S	4/2007	Endo et al.	D641,831 S	7/2011	Williams	
D540,426 S	4/2007	Cropelli	8,020,787 B2	9/2011	Leber	
D540,427 S	4/2007	Bouroullec et al.	8,020,788 B2	9/2011	Luetzgen et al.	
D542,391 S	5/2007	Gilbert	8,028,935 B2	10/2011	Leber	
D542,393 S	5/2007	Haug et al.	D652,108 S	1/2012	Eads	
D544,573 S	6/2007	Dingler et al.	D652,110 S	1/2012	Nichols	
7,229,031 B2	6/2007	Schmidt	D652,114 S	1/2012	Yoo	
7,243,863 B2	7/2007	Glunk	D652,894 S	1/2012	Nichols	
7,246,760 B2	7/2007	Marty et al.	8,109,450 B2	2/2012	Luetzgen et al.	
D552,713 S	10/2007	Rexach	D656,582 S	3/2012	Flowers et al.	
7,278,591 B2	10/2007	Clearman et al.	8,132,745 B2	3/2012	Leber et al.	
D556,295 S	11/2007	Genord et al.	8,146,838 B2	4/2012	Luetzgen et al.	
7,299,510 B2	11/2007	Tsai	8,220,726 B2	7/2012	Qui et al.	
D557,763 S	12/2007	Schonherr et al.	D667,531 S	9/2012	Romero et al.	
D557,764 S	12/2007	Schonherr et al.	D669,158 S	10/2012	Flowers et al.	
D557,765 S	12/2007	Schonherr et al.	8,292,200 B2	10/2012	Macan et al.	
D558,301 S	12/2007	Hoernig	8,297,534 B2	10/2012	Li et al.	
7,303,151 B2	12/2007	Wu	D672,433 S	12/2012	Yoo et al.	
D559,357 S	1/2008	Wang et al.	D673,649 S	1/2013	Quinn et al.	
D559,945 S	1/2008	Patterson et al.	D674,047 S	1/2013	Yoo et al.	
D560,269 S	1/2008	Tse	D674,050 S	1/2013	Quinn et al.	
D562,937 S	2/2008	Schonherr et al.	8,348,181 B2	1/2013	Whitaker	
D562,938 S	2/2008	Blessing	8,366,024 B2	2/2013	Leber	
D562,941 S	2/2008	Pan	D678,463 S	3/2013	Quinn et al.	
7,331,536 B1	2/2008	Zhen et al.	D678,467 S	3/2013	Quinn et al.	
7,347,388 B2	3/2008	Chung	D681,776 S	5/2013	Cutler	
D565,699 S	4/2008	Berberet	8,640,973 B2	2/2014	Gansebom	
D565,702 S	4/2008	Daunter et al.	D705,502 S *	5/2014	Markfield D30/152	
D565,703 S	4/2008	Lammel et al.	D737,931 S	9/2015	Schoenherr	
D566,228 S	4/2008	Neagoe	D744,612 S	12/2015	Peterson	
D566,229 S	4/2008	Rexach	9,295,997 B2	3/2016	Harwanko et al.	
D567,328 S	4/2008	Spangler et al.	D755,346 S	5/2016	Yan	
D567,335 S	4/2008	Huang	9,387,493 B2	7/2016	Lev	
7,360,723 B2	4/2008	Lev	9,399,860 B2	7/2016	Lev	
7,364,097 B2	4/2008	Okuma	D778,402 S	2/2017	Schoenherr	
7,374,112 B1	5/2008	Bulan et al.	D778,403 S	2/2017	Schoenherr	
7,384,007 B2	6/2008	Ho	D778,404 S	2/2017	Schoenherr	
D577,099 S	9/2008	Leber	D803,351 S *	11/2017	Ladwig D23/223	
D577,793 S	9/2008	Leber	D842,431 S *	3/2019	Cacka D23/213	
D578,604 S	10/2008	Wu et al.	10,265,710 B2	4/2019	Cacka et al.	
D578,605 S	10/2008	Wu et al.	D853,765 S *	7/2019	Garner D6/696.4	
D578,608 S	10/2008	Wu et al.	D855,757 S *	8/2019	Cacka D23/213	
D580,012 S	11/2008	Quinn et al.	D864,350 S *	10/2019	Logar D23/223	
D580,513 S	11/2008	Quinn et al.	D913,419 S *	3/2021	Ladwig D23/223	
D581,013 S	11/2008	Citterio	D928,282 S *	8/2021	Rogers D23/213	
D581,014 S	11/2008	Quinn et al.	D928,283 S *	8/2021	Peterson D23/213	
D586,426 S	2/2009	Schoenherr et al.	D938,550 S *	12/2021	Downey D23/213	
7,503,345 B2	3/2009	Paterson et al.	D941,956 S	1/2022	Urry D23/213	
D590,048 S	4/2009	Leber et al.	D941,958 S *	1/2022	Arenson D23/213	
7,520,448 B2	4/2009	Luetzgen et al.	D950,011 S	4/2022	Cacka B05B 1/185	
D592,276 S	5/2009	Shoenherr et al.				
D592,278 S	5/2009	Leber				D23/213
7,537,175 B2	5/2009	Miura et al.	D950,012 S	4/2022	Reed D23/213	
D600,777 S	9/2009	Whitaker et al.	2001/0042797 A1	11/2001	Shrigley	
D603,935 S	11/2009	Leber	2002/0109023 A1	8/2002	Thomas et al.	
7,617,990 B2	11/2009	Huffman	2003/0042332 A1	3/2003	Lai	
D605,731 S	12/2009	Leber	2003/0062426 A1	4/2003	Gregory et al.	
D606,623 S	12/2009	Whitaker et al.	2003/0121993 A1	7/2003	Haverstraw et al.	
D606,626 S	12/2009	Zore	2003/0201917 A1 *	10/2003	Wang G06F 3/0489	
D608,412 S	1/2010	Barnard et al.				400/476
D608,413 S	1/2010	Barnard et al.	2004/0074993 A1	4/2004	Thomas et al.	
D616,061 S	5/2010	Whitaker et al.	2004/0118949 A1	6/2004	Marks	
7,721,363 B2	5/2010	Huang	2004/0217209 A1	11/2004	Bui	
7,721,979 B2	5/2010	Mazzola	2004/0244105 A1	12/2004	Tsai	
D617,419 S	6/2010	Lee	2005/0001072 A1	1/2005	Bolus et al.	
D617,873 S	6/2010	Lee	2005/0284967 A1	12/2005	Korb	
7,740,186 B2	6/2010	Macan et al.	2006/0016908 A1	1/2006	Chung	
D621,904 S	8/2010	Yoo et al.	2006/0016913 A1	1/2006	Lo	
D621,905 S	8/2010	Yoo et al.	2006/0102747 A1	5/2006	Ho	
7,770,820 B2	8/2010	Clearman et al.	2006/0163391 A1	7/2006	Schorn	
7,770,822 B2	8/2010	Leber	2006/0219822 A1	10/2006	Miller et al.	
D624,156 S	9/2010	Leber	2006/0272086 A1	12/2006	Mesa	
7,789,326 B2	9/2010	Luetzgen et al.	2007/0040054 A1	2/2007	Farzan	
D625,776 S	10/2010	Williams	2007/0200013 A1	8/2007	Hsiao	
7,832,662 B2	11/2010	Gallo	2007/0246577 A1	10/2007	Leber	
D628,676 S	12/2010	Lee	2007/0252021 A1	11/2007	Cristina	
D629,867 S	12/2010	Rexach et al.	2007/0272770 A1	11/2007	Leber et al.	
7,871,020 B2	1/2011	Nelson et al.	2008/0073449 A1	3/2008	Haynes et al.	
			2008/0083844 A1	4/2008	Leber et al.	

2008/0121293	A1	5/2008	Leber et al.	EP	0733747	9/1996
2008/0121771	A1	5/2008	Sen et al.	EP	0808661	11/1997
2008/0156897	A1	7/2008	Leber	EP	0726811	1/1998
2008/0156902	A1	7/2008	Luetngen et al.	EP	1921214	5/2008
2008/0223957	A1	9/2008	Schorn	EP	2164642	10/2010
2008/0272591	A1	11/2008	Leber	EP	2260945	12/2010
2009/0039181	A1	2/2009	Auer, Jr.	FR	538538	6/1922
2009/0200404	A1	8/2009	Cristina	FR	873808	7/1942
2009/0218420	A1	9/2009	Mazzola	FR	1039750	10/1953
2009/0307836	A1	12/2009	Blattner et al.	FR	1098836	8/1955
2009/0324399	A1*	12/2009	Lin F01D 17/165	FR	2591099	6/1987
			415/191	FR	2596492	10/1987
2010/0127096	A1	5/2010	Leber	FR	2695452	3/1994
2010/0176216	A1*	7/2010	Cheung E02B 11/005	GB	10086	4/1894
			239/201	GB	3314	12/1914
2010/0258695	A1	10/2010	Wu	GB	129812	7/1919
2010/0320295	A1	12/2010	Mang	GB	204600	10/1923
2011/0000983	A1	1/2011	Chang	GB	634483	3/1950
2011/0011953	A1	1/2011	Macan et al.	GB	971866	10/1964
2011/0073678	A1	3/2011	Qiu et al.	GB	1111126	4/1968
2011/0121098	A1	5/2011	Luetngen et al.	GB	2066074	1/1980
2011/0179566	A1	7/2011	Yang	GB	2066704	7/1981
2012/0048968	A1	3/2012	Williams	GB	2068778	8/1981
2012/0187320	A1	7/2012	Lu	GB	2121319	12/1983
2012/0222207	A1	9/2012	Slothower et al.	GB	2155984	10/1985
2013/0126646	A1	5/2013	Wu	GB	2156932 A	10/1985
2013/0147186	A1	6/2013	Leber	GB	2199771	7/1988
2014/0252138	A1	9/2014	Wischstadt et al.	GB	2298595	11/1996
2014/0367482	A1	12/2014	Cacka	GB	2337471	11/1999
2015/0165452	A1	6/2015	Luetngen et al.	GB	2425118 A	10/2006 B05C 17/00516
2015/0233101	A1	8/2015	Andersen	IT	327400	7/1935
2015/0211728	A1	12/2015	Zhadanov	IT	350359	7/1937
2016/0010720	A1*	1/2016	Brevick F16F 15/145	IT	563459	5/1957
			123/192.1	JP	S63-181459	11/1988
2016/0015000	A1	1/2016	Diez	JP	H2-78660	6/1990
2017/0297039	A1*	10/2017	Cacka B05B 1/169	JP	4062238	2/1992
2018/0065131	A1*	3/2018	Rogers B05B 1/18	JP	4146708	5/1992
2019/0210045	A1	7/2019	Cacka et al.	JP	2004278194 A	10/2004

FOREIGN PATENT DOCUMENTS

CA	659510	3/1963
CA	2341041	8/1999
CH	234284	3/1963
CN	201260999 Y	6/2009
CN	200920182881	9/2009
CN	101628263 A	1/2010
CN	101773880 A	7/2010
CN	201940296 U	8/2011
CN	201230021930	2/2012
CN	201530310992	8/2015
DE	352813	5/1922
DE	848627	9/1952
DE	854100	10/1952
DE	2360534	6/1974
DE	2806093	8/1979
DE	3107808	9/1982
DE	3246327	6/1984
DE	3440901	7/1985
DE	3706320	3/1988
DE	8804236	6/1988
DE	4034695	5/1991
DE	19608085	9/1996
DE	10034818 A1	1/2002
DE	202005000881	3/2005
DE	102006032017	1/2008
DE	202008009530	9/2008
DE	202013101201	3/2013
EP	0167063	6/1985
EP	0478999	4/1992
EP	0514753	11/1992
EP	0435030	7/1993
EP	0617644	10/1994
EP	0683354	11/1995
EP	0687851	12/1995
EP	0695907	2/1996
EP	0700729	3/1996
EP	0719588	7/1996
EP	0721082	7/1996

WO	93/12894	7/1993
WO	93/25839	12/1993
WO	96/00617	1/1996
WO	98/30336	7/1998
WO	99/59726	11/1999
WO	00/10720	3/2000
WO	08/082699	7/2008
WO	10/04593	1/2010

OTHER PUBLICATIONS

Water-Saving Top Spray, ABS Material Shower Head, Top Sprayer, Sep. 15, 2020, amazon.ca, Mar. 24, 2022, URL: https://www.amazon.ca/dp/B08J47RYJR/ref=sbl_dp_ca-home-improvement-bathroom-fixed-showerheads_B09HK376ZQ_0 (Year: 2020).*

DGYLL Handheld Shower Head, Chrome Plating, High Pressure, Jun. 11, 2020, amazon.ca, Mar. 24, 2022, URL: <https://www.amazon.ca/DGYLL-Handheld-Pressure-Multi-Functions-6-Settings/dp/B08B14M8M5/> (Year: 2020).*

Lasco 03-1553 Chrome Plated Floor and Ceiling Split Flange Fits, Nov. 4, 2016, amazon.ca, Apr. 6, 2022, URL: <https://www.amazon.ca/03-1553-Chrome-Plated-Ceiling-Diameter/dp/B000FHBFRK/> (Year: 2016).*

American Standard 1660206.002 Hydrofocus, May 11, 2016, amazon.com, Jul. 28, 2022, URL: <https://www.amazon.com/American-Standard-1660206-002-HydroFocus-Showerhead/dp/B01FHSE3HU/> (Year: 2022).

Author Unknown, "Flipside: The Bold Look of Kohler," 1 page, at least as early as Jun. 2011.

Color Copy, Labeled 1A, Gemlo, available at least as early as Dec. 2, 1998.

Color Copy, Labeled 1B, Gemlo, available at least as early as Dec. 2, 1998.

International Search Report, PCT/US07/88962, 9 pages, dated Jun. 10, 2008.

International Search Report, PCT/US07/67141, 8 pages, dated Jul. 2, 2008.

EZ Wash Wand, accessed at least as early as Feb. 2016, <http://www.ezwashwand.com>.

WashWands, accessed at least as early as Feb. 2016, <http://www.washwand.com>.

Woof Washer, accessed at least as early as Feb. 2016, <http://www.woofwasher.com>.

Lokby, High-Pressure Handheld Shower Head, Mar. 15, 2019, [amazon.com](https://www.amazon.com/High-Pressure-Handheld-Shower-Head-6-Setting/dp/B07KZVKTDG), obtained Dec. 22, 2021, URL: <https://www.amazon.com/High-Pressure-Handheld-Shower-Head-6-Setting/dp/B07KZVKTDG>, 1 page.

Aquadance High Pressure 6-Setting 4.15" Chrome Face Hand Held Shower Head, Nov. 20, 2016, [amazon.com](https://www.amazon.com/dp/B01MYMSDAI/ref=sbl_dp_x_home-improvement-bathroom-handheld-showerheads_B07KZVKTDG_0), obtained Dec. 22, 2021, URL: https://www.amazon.com/dp/B01MYMSDAI/ref=sbl_dp_x_home-improvement-bathroom-handheld-showerheads_B07KZVKTDG_0, 1 page.

American Standard 1660207.002 Hydrofocus 6-Function Hand Shower, May 11, 2016, [amazon.com](https://www.amazon.com/dp/B01FHSEEOM/ref=sbl_dp_x_home-improvement-bathroom-handheld-showerheads_B07DRHBQBF_0), obtained Dec. 22, 2021, URL: https://www.amazon.com/dp/B01FHSEEOM/ref=sbl_dp_x_home-improvement-bathroom-handheld-showerheads_B07DRHBQBF_0, 1 page.

Showermaxx, Elite Series, 6 Spray Settings 5 inch Adjustable High Pressure Shower Head, Aug. 9, 2018, [amazon.com](https://www.amazon.com/dp/B07GBCKFZN/), obtained Dec. 22, 2021, URL: <https://www.amazon.com/dp/B07GBCKFZN/>, 1 page.

* cited by examiner

Primary Examiner — Keith J Wilson

(57)

CLAIM

We claim the ornamental design for a showerhead, as shown and described.

DESCRIPTION

FIG. 1 is a left, front isometric view of a showerhead.

FIG. 2 is a right, front isometric view thereof.

FIG. 3 is a front elevation view thereof.

FIG. 4 is a rear elevation view thereof.

FIG. 5 is a left side elevation view thereof.

FIG. 6 is a right side elevation view thereof.

FIG. 7 is a top plan view thereof.

FIG. 8 is a bottom plan view thereof.

FIG. 9 is an enlarged fragmentary view thereof taken along detail line 9-9 of FIG. 2; and,

FIG. 10 is an enlarged fragmentary view thereof taken along detail line 10-10 of FIG. 3.

The broken lines illustrate portions of the showerhead that form no part of the claimed design.

1 Claim, 8 Drawing Sheets

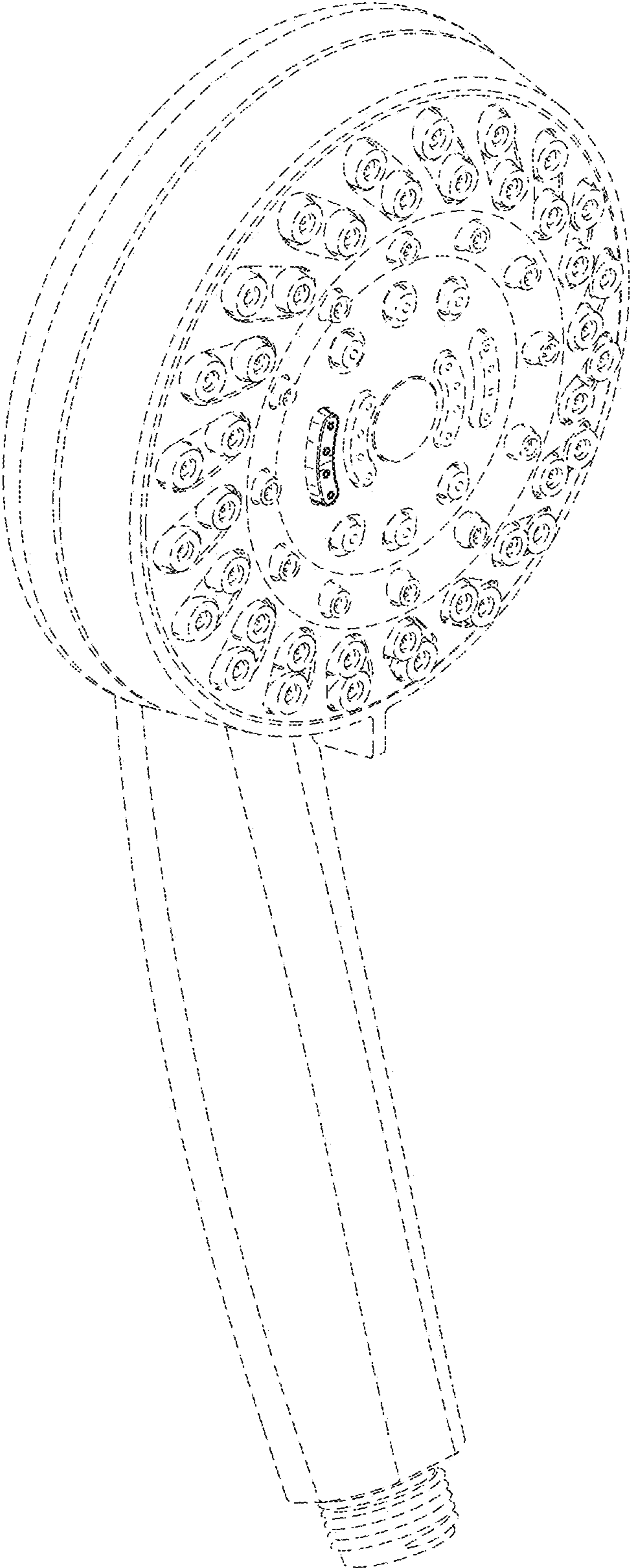


FIG. 1

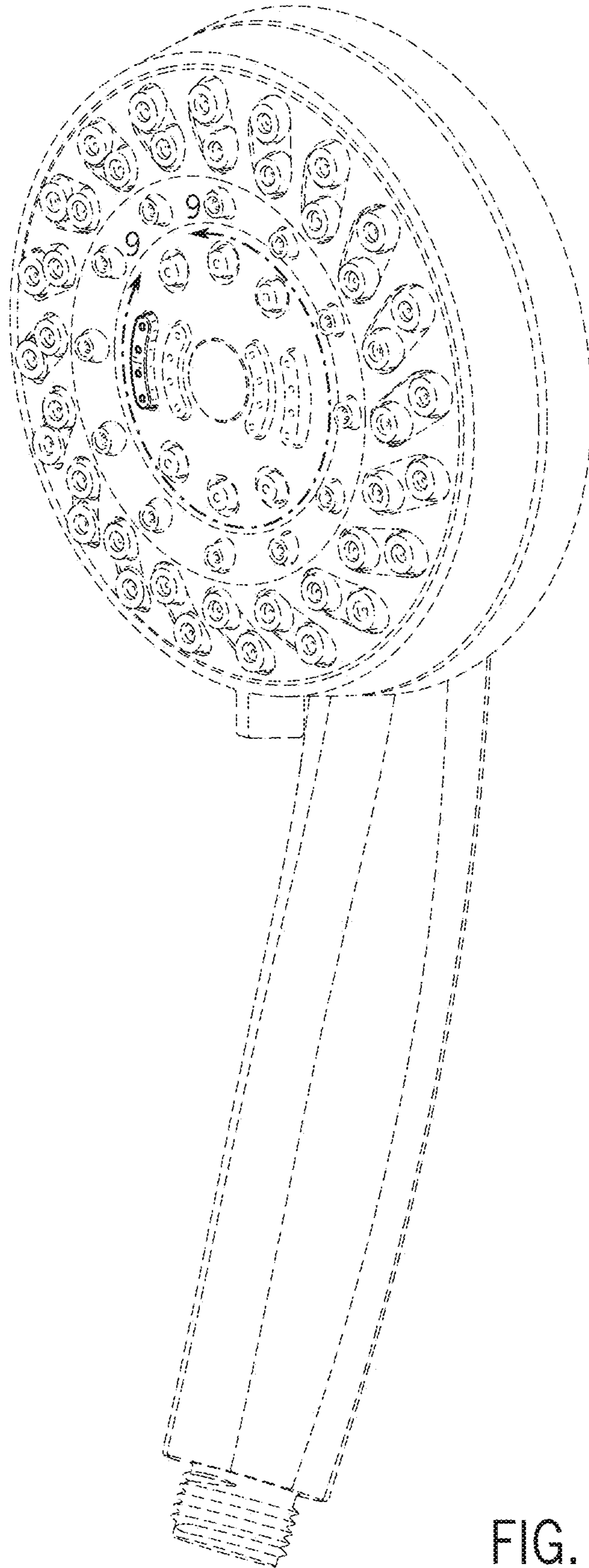


FIG. 2

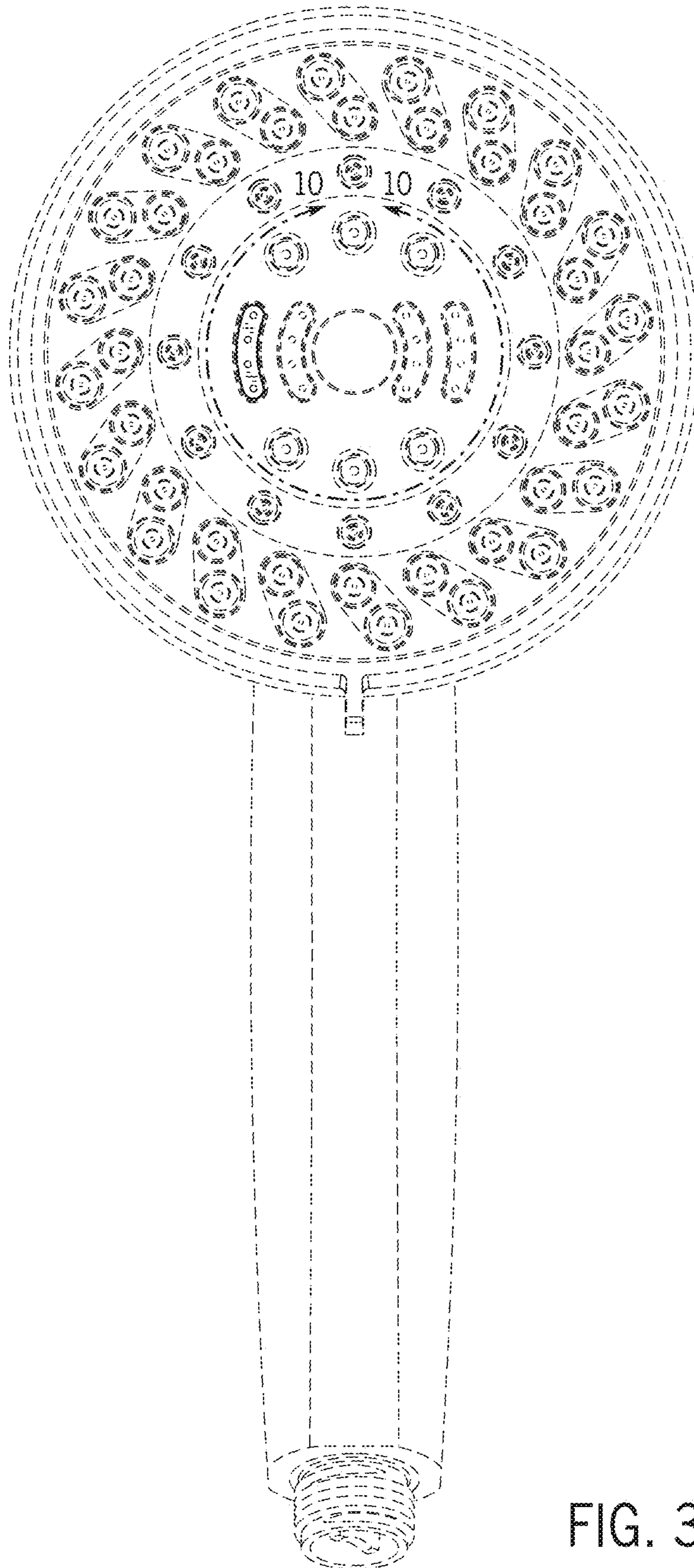


FIG. 3

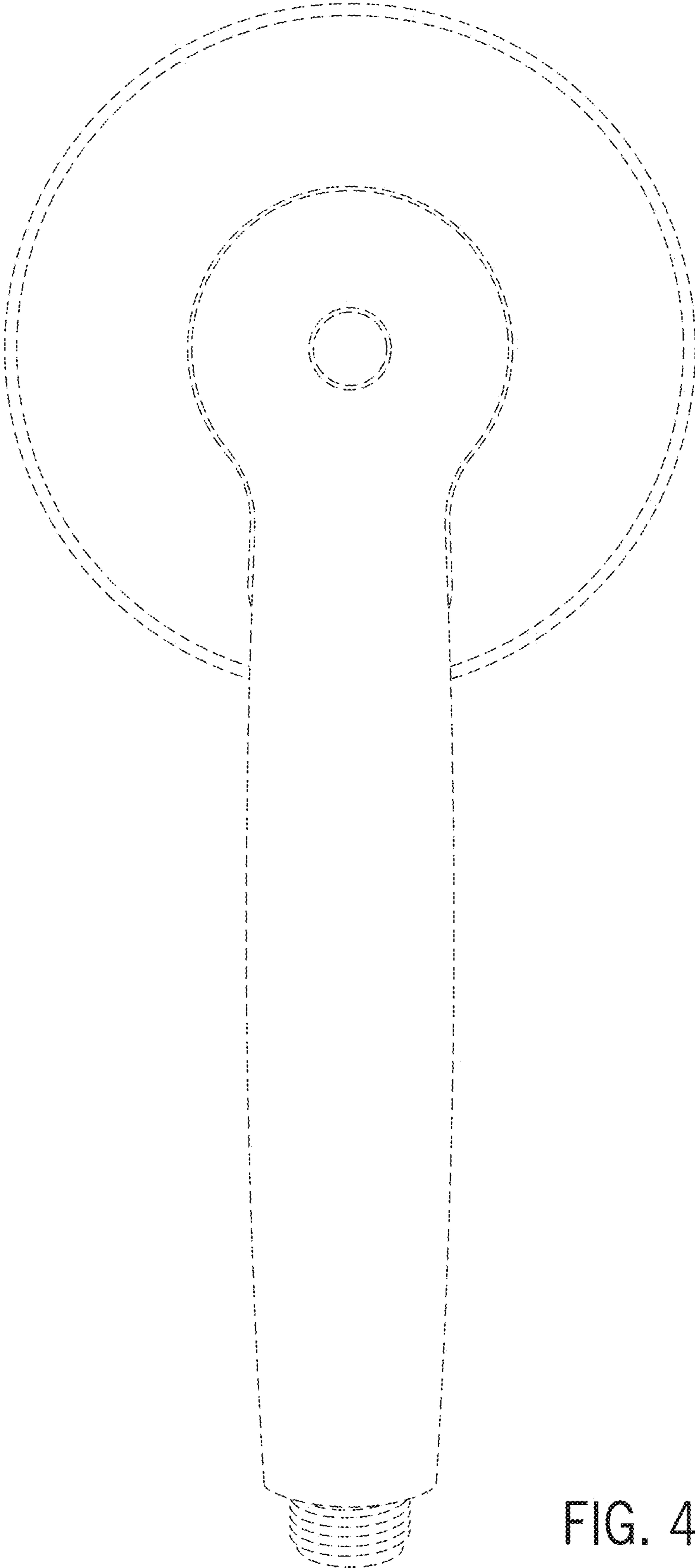


FIG. 4

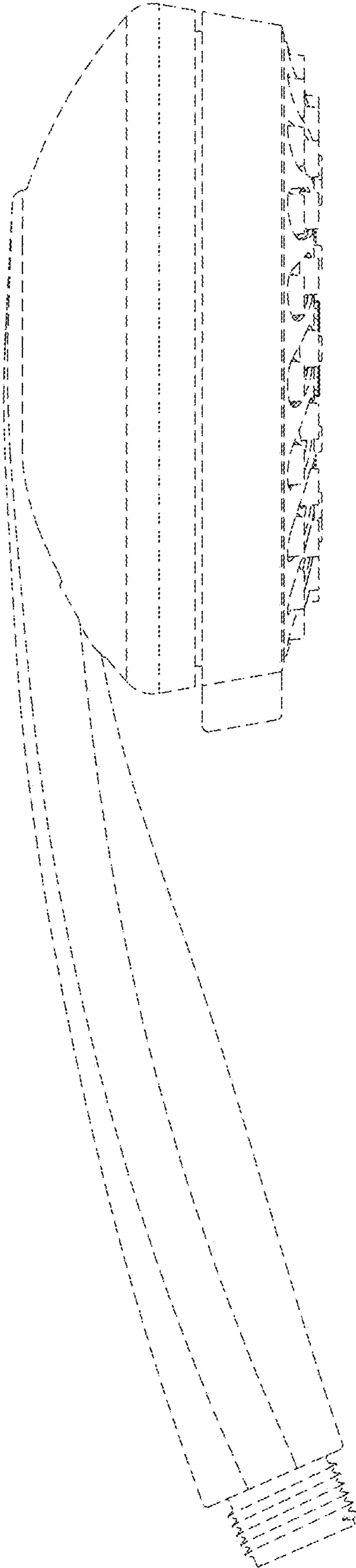


FIG. 5

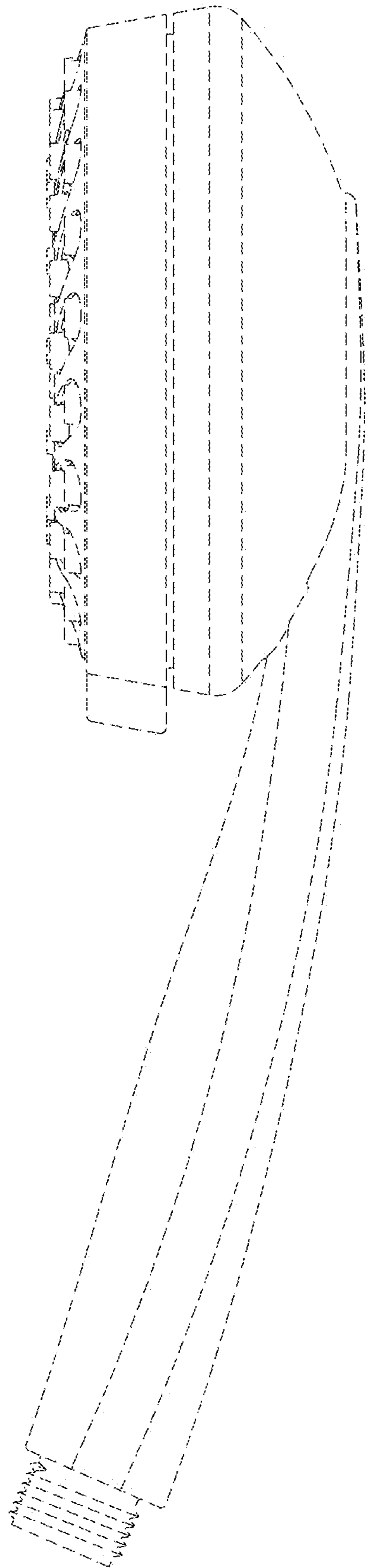


FIG. 6

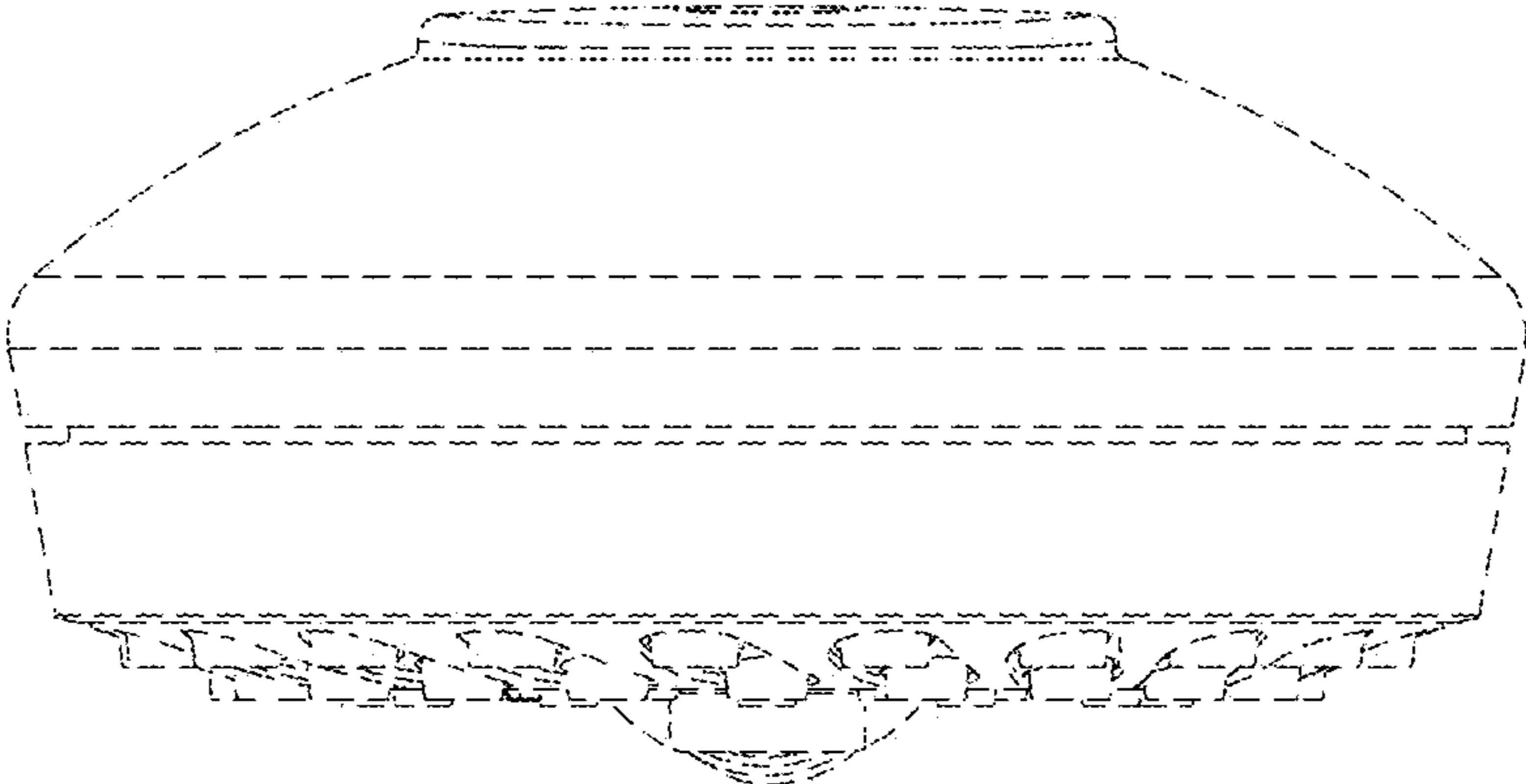


FIG. 7

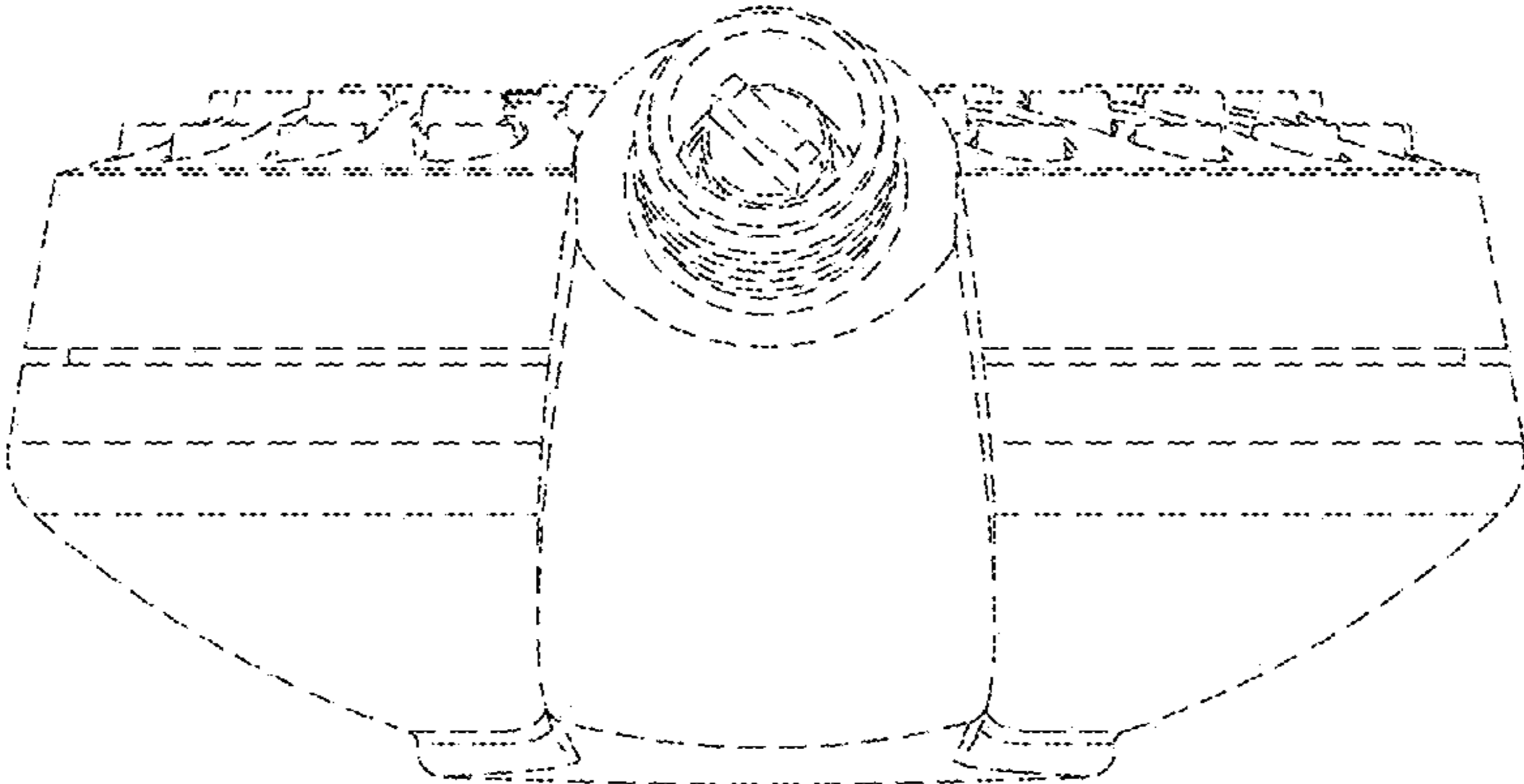


FIG. 8

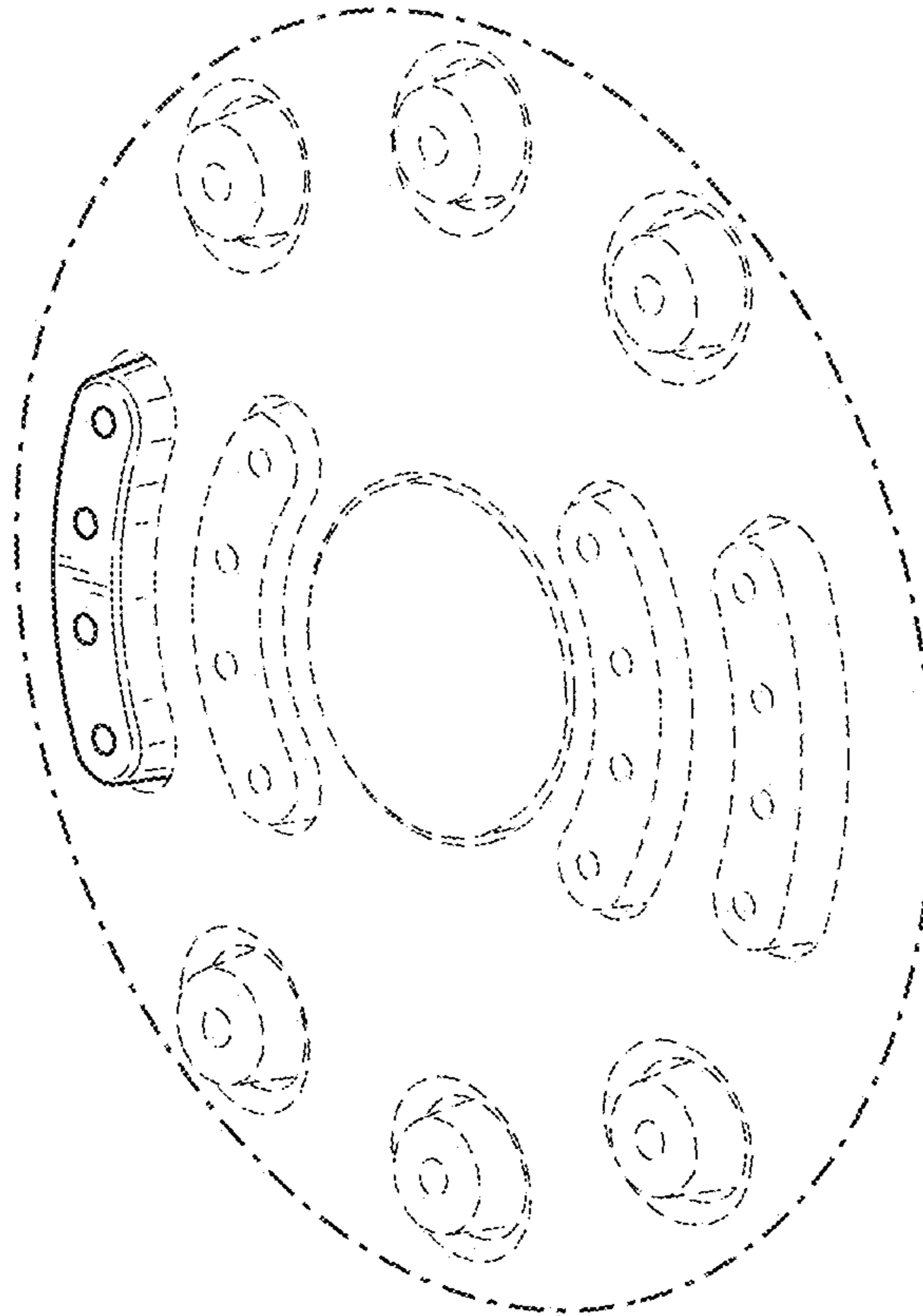


FIG. 9

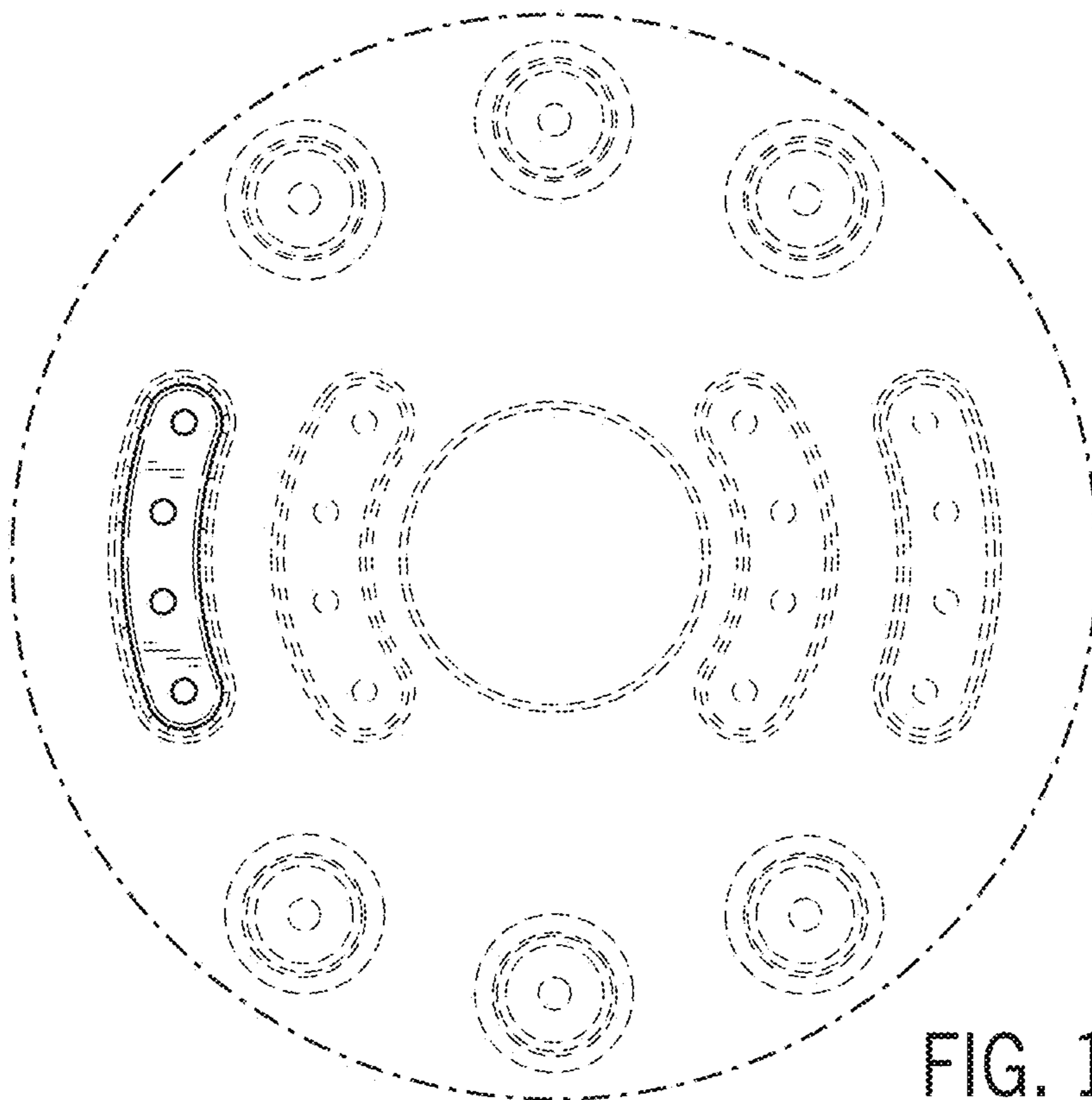


FIG. 10