



US00D500599S

(12) **United States Design Patent**
Callaghan

(10) **Patent No.: US D500,599 S**
(45) **Date of Patent: ** Jan. 11, 2005**

(54) **TOOTHBRUSH HANDLE**

(75) **Inventor: Roberta L. Callaghan**, Fort Collins,
CO (US)
(73) **Assignee: Water Pik, Inc.**, Fort Collins, CO (US)
(**) **Term: 14 Years**

(21) **Appl. No.: 29/173,524**
(22) **Filed: Dec. 31, 2002**

(51) **LOC (7) Cl. 28-03**
(52) **U.S. Cl. D4/101**
(58) **Field of Search D4/101, 104-112,**
D4/138; 15/143.1, 167.1, 22.1, 23-24, 28-29;
601/142; 132/308, 309, 311

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,313,490	A	8/1919	Larson	
1,355,037	A	10/1920	Dzhluk	
1,424,879	A	8/1922	Carlstedt	
1,517,320	A	12/1924	Stoddart	
1,696,835	A	12/1928	Burnett	
1,703,642	A	2/1929	Sticht	
1,796,641	A	3/1931	Zimmerman et al.	
1,832,519	A	11/1931	Wheat et al.	
2,016,597	A	10/1935	Drake	
2,044,863	A	6/1936	Sticht	
2,158,738	A	5/1939	Baker et al.	
2,206,726	A	7/1940	Lasater	
2,246,523	A	6/1941	Kulik	
2,278,365	A	3/1942	Daniels	
2,282,700	A	5/1942	Bobbhoff	
2,598,275	A	5/1952	Lakin	74/36
2,709,227	A	5/1955	Foley et al.	
2,728,928	A	1/1956	Beeren	15/29
2,734,139	A	2/1956	Murphy	310/29
2,806,235	A	9/1957	Carstairs et al.	15/22.2
2,875,458	A	3/1959	Tsuda	15/22.1
2,917,758	A	12/1959	Held et al.	15/22.1
2,931,371	A	4/1960	Petitta	132/324
2,977,614	A	4/1961	Demanuele	15/22.1
3,104,405	A	9/1963	Perrinjaquet	15/22.1

(List continued on next page.)

FOREIGN PATENT DOCUMENTS

CH	435553	10/1967
CH	609238	2/1979
DE	243224	4/1910
DE	17 66 651 C2	12/1981
DE	3431481 A1	2/1986
DE	35 12 190 A1	10/1986
DE	G 86 26 725.6	5/1987
DE	37 36 308 A1	7/1989

(List continued on next page.)

OTHER PUBLICATIONS

Sonex International: *Brushing with the Ultima—The World’s Only Dual-Frequency Ultrasonic Toothbrush*, Jul. 28, 1999, published at Sonipic.com.
Teledyne Water Pik “*Plaque Control 3000*” Plaque removal instrument (Jul. 1991).
American Dentronics Incorporated “*Soniplak*” sonic plaque removal system (May 1993).
Design of a Toothbrush, p. 361, Danish Official Design Gazette, published May 16, 1997.
Teledyne Water Pik “*Sensonic*” Toothbrush, sales brochure (at least as early as Sep. 1994).

Primary Examiner—Alan P. Douglas
Assistant Examiner—Lavone D. Tabor
(74) *Attorney, Agent, or Firm*—Dorsey & Whitney LLP

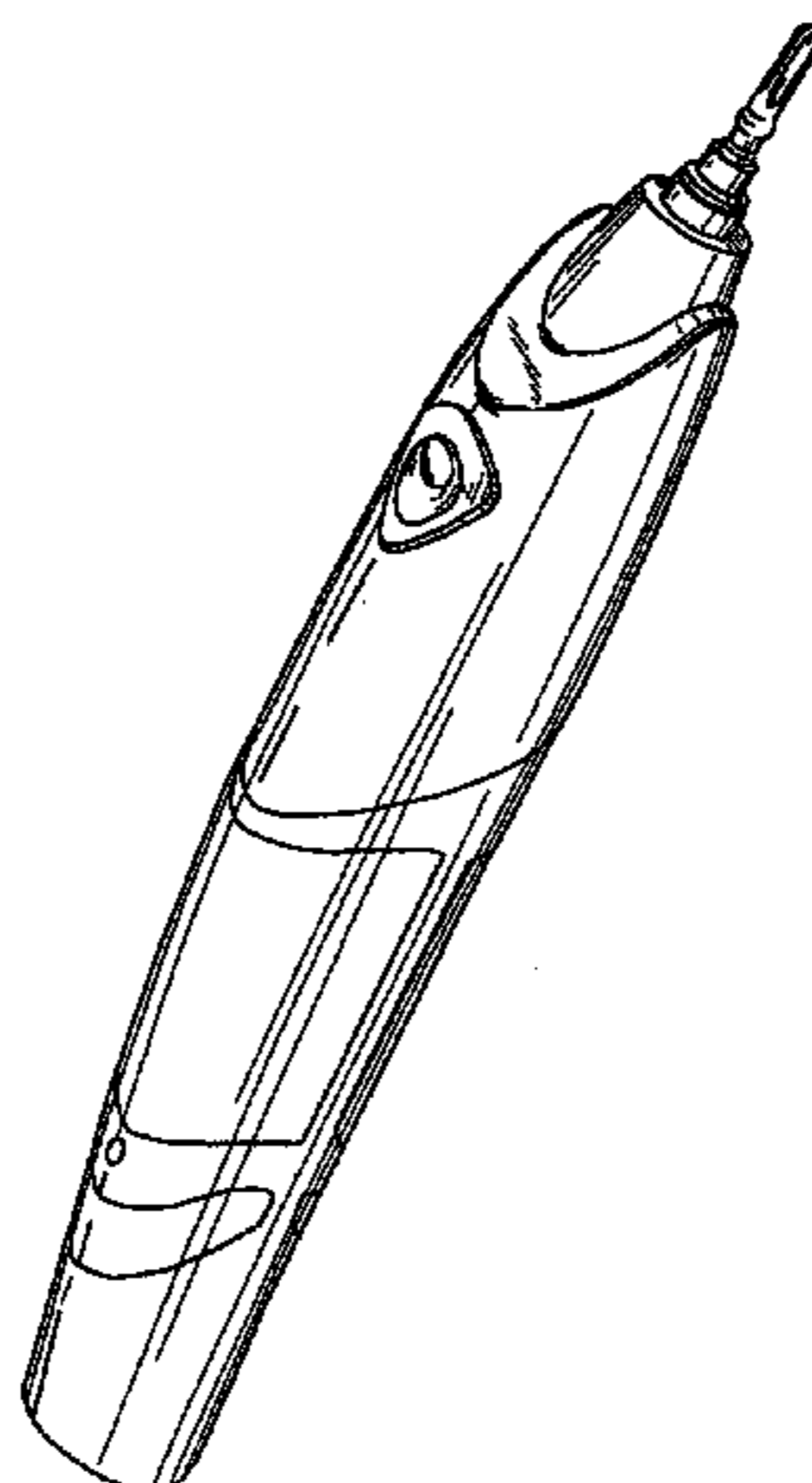
(57) **CLAIM**

The ornamental design for a toothbrush handle, as shown and described above.

DESCRIPTION

FIG. 1 is a right side perspective view of a toothbrush handle showing my new design;
FIG. 2 is a front elevation view thereof;
FIG. 3 is a left elevation view thereof;
FIG. 4 is a right elevation view thereof;
FIG. 5 is a rear elevation view thereof;
FIG. 6 is a top plan view thereof; and,
FIG. 7 is a bottom plan view thereof.

1 Claim, 4 Drawing Sheets



US D500,599 S

Page 2

U.S. PATENT DOCUMENTS		U.S. Patent No.	Date	Inventor	U.S. Patent No.	Date	Inventor
		4,275,363	A		6/1981	Mishiro et al.	331/4
3,106,216	A	10/1963		Kirby	9/1981	Sargeant	433/118
D197,048	S	* 12/1963		Troy	12/1981	Florindez et al.	
D197,208	S	12/1963		Cassidy et al.	3/1982	Tarrson et al.	15/111
3,143,697	A	8/1964		Springer	3/1982	Ulrich	
3,145,404	A	8/1964		Fiedler	4/1982	Verplank	
D199,560	S	* 11/1964		Thompson	4/1982	Wagner	
D199,893	S	12/1964		Bond et al.	5/1982	Heyman	433/125
3,159,859	A	12/1964		Rasmussen	6/1982	Kuris	15/22.1
3,181,189	A	5/1965		Leyden	7/1982	Levine	
3,183,538	A	5/1965		Hubner	7/1982	Meibauer	
D202,873	S	11/1965		Husted	9/1982	Youngclaus, Jr.	
D204,127	S	3/1966		Syverson	10/1982	Teague, Jr. et al.	15/22.1
3,270,416	A	9/1966		Massa	4/1983	Saijo et al.	318/135
3,316,576	A	5/1967		Urbush	7/1983	Buchas	318/114
3,335,443	A	8/1967		Parisi et al.	8/1983	Hadary	
3,346,748	A	10/1967		McNair	2/1984	Levine	
3,358,309	A	12/1967		Richardson	2/1984	Stocchi	
D210,066	S	* 2/1968		Johnson	2/1984	Matthews	
3,371,260	A	2/1968		Jackson et al.	2/1984	Fattaleh	433/118
D210,349	S	* 3/1968		Boldt	3/1984	Givens	
3,375,820	A	4/1968		Kuris et al.	4/1984	Markau	
D212,208	S	9/1968		Rogers	7/1984	Grollimund	
3,418,552	A	12/1968		Holmes	3/1985	Andersson	433/143
3,430,279	A	3/1969		Hintze	6/1985	Moran	244/3.2
3,463,994	A	8/1969		Spohr	12/1985	Mishiro et al.	331/116 R
3,466,689	A	9/1969		Aurelio et al.	1/1986	Kilen et al.	
3,472,045	A	10/1969		Nelsen et al.	3/1986	Youssef	
3,472,247	A	10/1969		Borsum et al.	3/1986	Shimencov	
3,474,799	A	10/1969		Cappello	4/1986	Cheuk-Yiu	D4/101
3,535,726	A	10/1970		Sawyer	4/1986	Hommann	433/80
3,538,359	A	11/1970		Barowski	8/1986	McSpadden	
3,552,022	A	1/1971		Axelsson	8/1986	Kumabe et al.	433/118
3,559,292	A	2/1971		Weissman	10/1986	Andersson	29/558
3,563,233	A	2/1971		Bodine	1/1987	Mösslle et al.	433/29
3,588,936	A	6/1971		Duve	2/1987	Hommann	
D221,823	S	9/1971		Cook	4/1987	Hommann	
3,642,344	A	2/1972		Corker	10/1987	Mierau et al.	15/22.1
3,651,576	A	3/1972		Massa	3/1988	Mollenhoff	D4/101
3,660,902	A	5/1972		Axelsson	8/1988	Hegemann	15/22.1
3,672,378	A	6/1972		Silverman	11/1988	Martin et al.	433/119
3,676,218	A	7/1972		Sawyer	12/1988	Hirshfeld et al.	
3,759,274	A	9/1973		Warner	3/1989	Lagieski et al.	15/104.94
3,760,799	A	9/1973		Crowson	4/1989	Römhild et al.	433/118
3,809,977	A	5/1974		Balamuth et al.	4/1989	Römhild et al.	433/128
3,831,611	A	8/1974		Hendricks	5/1989	Graham et al.	15/22.1
3,840,932	A	10/1974		Balamuth et al.	5/1989	Smole	132/329
3,882,364	A	5/1975		Wright et al.	7/1989	Crawford et al.	15/22.1
3,902,510	A	9/1975		Roth	8/1989	Sanchez	15/29
3,903,601	A	9/1975		Anderson et al.	10/1989	Clemens et al.	D4/101
3,967,617	A	7/1976		Krolik	10/1989	Tsujita et al.	106/286.8
3,978,852	A	9/1976		Annoni	10/1989	Ohgihara et al.	331/96
3,980,906	A	9/1976		Kuris et al.	11/1989	Moret et al.	433/118
4,004,344	A	1/1977		Gold et al.	12/1989	Murakami et al.	331/96
4,005,722	A	2/1977		Bragg	4/1990	Tichy	
4,008,728	A	2/1977		Sanchez	5/1990	Buzzi et al.	132/321
4,019,522	A	4/1977		Elbreder	12/1990	Hommann	15/22.1
4,048,723	A	9/1977		Thorup	2/1991	Scherer	15/22.1
4,064,883	A	12/1977		Oldham	2/1991	Suroff	15/22.2
4,133,339	A	1/1979		Naslund	2/1991	Beckman et al.	
4,177,434	A	12/1979		Ida	3/1991	Odrich	433/125
D254,162	S	2/1980		Barker	3/1991	Tichy	433/122
4,192,035	A	3/1980		Kuris	4/1991	Paolo	15/29
4,203,431	A	5/1980		Abura et al.	5/1991	Boggs	132/322
4,205,664	A	6/1980		Baccialon	6/1991	Scherer	15/22.1
4,219,619	A	8/1980		Zarow	8/1991	Uemura et al.	D6/534
4,235,253	A	11/1980		Moore	9/1991	Siekmann	132/323
RE30,536	E	3/1981		Perdreux, Jr.	11/1991	Hirabayashi	D4/101
4,255,693	A	3/1981		Keidl	11/1991	Bruno	29/426.5
4,271,382	A	6/1981		Maeda et al.	12/1991	Snyder et al.	D4/101
4,271,384	A	6/1981		Beling et al.	12/1991	Holland	15/22.1

5,069,621 A	12/1991	Paradis	433/147	5,459,898 A	10/1995	Bacolot	15/106
5,071,348 A	12/1991	Woog	433/118	5,467,494 A	11/1995	Müller et al.	15/22.1
5,072,477 A	12/1991	Pai	15/22.1	5,467,495 A	11/1995	Boland et al.	15/28
5,072,482 A	12/1991	Bojar et al.	15/180	5,482,466 A	1/1996	Haynes	132/323
5,077,855 A	1/1992	Ambasz	15/22.1	5,484,281 A	1/1996	Renow et al.	433/80
5,088,145 A	2/1992	Whitefield	15/22.1	5,496,256 A	3/1996	Bock et al.	601/2
5,094,256 A	3/1992	Barth	132/322	5,499,420 A	3/1996	Boland	15/22.1
5,095,470 A	3/1992	Oka et al.	369/13.2	5,504,958 A	4/1996	Herzog	15/22.1
5,100,321 A	3/1992	Coss et al.	433/118	5,511,270 A	4/1996	Eliachar et al.	15/22.1
5,120,225 A	6/1992	Amit	433/216	5,511,275 A	4/1996	Volpenhein et al.	15/167.1
5,123,841 A	6/1992	Millner	433/125	D370,125 S *	5/1996	Craft et al.	D4/101
5,125,837 A	6/1992	Warrin et al.	433/98	D370,347 S	6/1996	Heinzelman et al.	D4/104
5,133,661 A	7/1992	Euvrard	433/120	5,529,494 A	6/1996	Vlacancich	433/105
5,138,733 A	8/1992	Bock	15/22.1	D371,242 S	7/1996	Shimatsu et al.	D4/108
5,145,369 A	9/1992	Lustig et al.	433/118	5,546,624 A	8/1996	Bock	15/22.1
5,150,492 A	9/1992	Suroff	15/22.1	D375,841 S	11/1996	Serbinski	D4/108
5,165,131 A	11/1992	Staar	15/22.1	5,573,020 A	11/1996	Robinson	132/322
5,169,313 A	12/1992	Kline	433/143	5,577,285 A	11/1996	Drossler	15/22.1
5,170,809 A	12/1992	Imai et al.	132/322	5,579,786 A	12/1996	Wolk et al.	132/322
5,174,314 A	12/1992	Charatan	132/328	5,606,984 A	3/1997	Gao	132/325
5,177,826 A	1/1993	Vrignaud et al.	15/22.1	5,613,258 A	3/1997	Hilfinger et al.	15/22.1
5,180,363 A	1/1993	Idemoto et al.		5,613,259 A	3/1997	Craft et al.	15/22.1
5,183,063 A	2/1993	Ringle et al.	132/321	5,617,601 A	4/1997	McDougall	15/22.1
5,189,751 A	3/1993	Giuliani et al.	15/22.1	5,618,275 A	4/1997	Bock	604/290
5,198,732 A	3/1993	Morimoto		5,619,766 A	4/1997	Zhadanov et al.	15/29
5,201,092 A	4/1993	Colson	15/167.1	5,625,916 A	5/1997	McDougall	15/28
5,213,434 A	5/1993	Hahn	403/59	5,651,157 A	7/1997	Hahn	15/22.1
5,214,819 A	6/1993	Kirchner	15/22.1	D382,407 S *	8/1997	Craft et al.	D4/101
5,224,500 A	7/1993	Stella	132/322	5,652,990 A	8/1997	Driesen et al.	15/28
5,226,206 A	7/1993	Davidovitz et al.	15/22.1	5,678,274 A	10/1997	Liu	15/167.1
5,236,358 A	8/1993	Sieffert	433/119	5,697,117 A	12/1997	Craft	15/22.1
5,247,716 A	9/1993	Bock	15/22.1	5,700,146 A	12/1997	Kucar	433/82
5,253,382 A	10/1993	Beny	15/22.1	5,709,233 A	1/1998	Boland et al.	132/322
5,261,430 A	11/1993	Mochel	132/322	5,718,667 A	2/1998	Sugimoto et al.	601/139
5,263,218 A	11/1993	Giuliani et al.	15/22.1	5,732,433 A	3/1998	Göcking et al.	15/28
D341,943 S	12/1993	Si-Hoe	D4/108	5,738,575 A	4/1998	Bock	433/216
5,289,604 A	3/1994	Kressner	15/22.1	5,742,972 A	4/1998	Bredall et al.	15/167.1
5,293,886 A	3/1994	Czapor	132/329	5,784,743 A	7/1998	Shek	15/22.1
5,294,896 A	3/1994	Kjellander et al.	331/158	5,787,908 A	8/1998	Robinson	132/322
5,305,492 A	4/1994	Giuliani et al.	15/176.1	5,794,295 A	8/1998	Shen	15/22.1
5,309,590 A	5/1994	Giuliani et al.	15/22.1	5,815,872 A	10/1998	Meginnis, III et al.	15/22.1
5,309,591 A	5/1994	Hägele et al.	15/22.1	5,827,064 A	10/1998	Bock	433/216
5,311,632 A	5/1994	Center	15/22.1	D400,713 S	11/1998	Solanki	D4/104
5,311,633 A	5/1994	Herzog et al.	15/28	5,836,030 A	11/1998	Hazeu et al.	15/22.1
5,323,796 A	6/1994	Urso	132/322	5,842,244 A	12/1998	Hilfinger et al.	15/22.1
5,337,435 A	8/1994	Krasner et al.	15/23	5,850,655 A	12/1998	Göcking et al.	15/28
5,341,534 A *	8/1994	Serbinski et al.	15/22.1	D403,511 S	1/1999	Serbinski	D4/108
5,353,460 A	10/1994	Bauman	15/22.1	5,855,216 A	1/1999	Robinson	132/322
5,354,246 A	10/1994	Gotman	475/248	5,862,558 A	1/1999	Hilfinger et al.	15/28
5,355,638 A	10/1994	Hoffman	451/32	5,864,915 A	2/1999	Ra	15/167.1
5,358,328 A	10/1994	Inoue et al.	366/65	5,867,856 A	2/1999	Herzog	15/22.4
5,359,747 A	11/1994	Amakasu	15/22.1	5,896,615 A	4/1999	Zaksenberg	15/167.1
D353,490 S	12/1994	Hartwein	D4/108	5,899,693 A	5/1999	Himeno et al.	433/119
5,369,831 A	12/1994	Bock	15/22.1	D410,787 S	6/1999	Barre et al.	D4/104
D354,168 S	1/1995	Hartwein	D4/108	5,908,038 A	6/1999	Bennett	132/308
5,378,153 A	1/1995	Giuliani et al.	433/216	D411,769 S *	7/1999	Wright	D4/101
5,383,242 A	1/1995	Bigler et al.	15/22.1	5,927,300 A	7/1999	Boland et al.	132/322
5,393,229 A	2/1995	Ram	433/118	5,930,858 A	8/1999	Jung	15/22.1
5,404,608 A	4/1995	Hommann	15/22.1	5,931,170 A	8/1999	Wu	132/322
5,406,664 A	4/1995	Hukuba	15/22.1	5,943,723 A	8/1999	Hilfinger et al.	15/22.1
5,406,965 A	4/1995	Levine	132/323	5,944,033 A	8/1999	Robinson	132/322
D358,486 S	5/1995	Loew	D4/104	D414,937 S	10/1999	Cornu et al.	D4/104
D358,713 S	5/1995	Perry	D4/104	D414,939 S	10/1999	Pedro, Jr. et al.	D4/104
D358,801 S	5/1995	Vos	D13/108	5,974,613 A	11/1999	Herzog	15/22.1
5,411,041 A	5/1995	Ritter	132/322	5,974,615 A	11/1999	Schwarz-	
5,412,827 A	5/1995	Müller et al.	15/22.1			Hartmann et al.	15/22.4
5,416,942 A	5/1995	Baldacci et al.	15/22.1	5,987,681 A	11/1999	Hahn et al.	15/22.1
5,419,346 A	5/1995	Tipp	132/329	5,991,957 A	11/1999	Watanabe	15/167.1
5,419,703 A	5/1995	Warrin et al.	433/216	D417,960 S	12/1999	Moskovich et al.	D4/104
5,421,726 A	6/1995	Okada	433/216	6,000,083 A	12/1999	Blaustein et al.	15/28
D363,605 S	10/1995	Kou et al.	D4/101	6,009,589 A	1/2000	Driesen et al.	15/167.1

US D500,599 S

Page 4

6,021,538 A	2/2000	Kressner et al.	15/28	FR	1171337	1/1959
6,032,313 A	3/2000	Tsang	15/22.1	GB	477799	1/1938
6,035,476 A	3/2000	Underwood et al.	15/22.1	GB	500517	2/1939
D423,784 S	5/2000	Joulin	D4/104	GB	899618	6/1962
6,065,176 A	5/2000	Watanabe et al.	15/167.1	GB	1583558	1/1981
6,095,811 A	8/2000	Stearns	433/29	GB	2175494 A	12/1986
6,165,131 A	12/2000	Cucé et al.	600/495	JP	53-33753	3/1978
6,183,254 B1	2/2001	Cohen	433/92	JP	03-222905 A	10/1991
6,299,444 B1	10/2001	Cohen	433/91	SE	324221	5/1970
6,349,442 B1	2/2002	Cohen et al.	15/22.1	WO	WO 91/13570	9/1991

FOREIGN PATENT DOCUMENTS

DE	40 03 305 A1	8/1991
DE	41 42 404 C2	7/1992
DE	42 23 195 A1	1/1994
DE	42 23 196 A1	1/1994
DE	42 26 659 A1	2/1994
DE	43 09 078 A1	9/1994
DE	297 15 234 U1	12/1997
EP	0 354 352 A1	2/1990
EP	0 661 025 B1	7/1995
FR	429447	9/1911

WO	WO 91/13570	9/1991
WO	WO 91/19437	12/1991
WO	WO 92/10146	6/1992
WO	WO 92/16160	10/1992
WO	WO 93/10721	6/1993
WO	WO 93/15628	8/1993
WO	WO 94/04093	3/1994
WO	WO 94/26144	11/1994
WO	WO 95/02375	1/1995
WO	WO 95/33419	12/1995
WO	WO 01/28452 A1	4/2001
WO	WO 01/45582 A1	6/2001

* cited by examiner

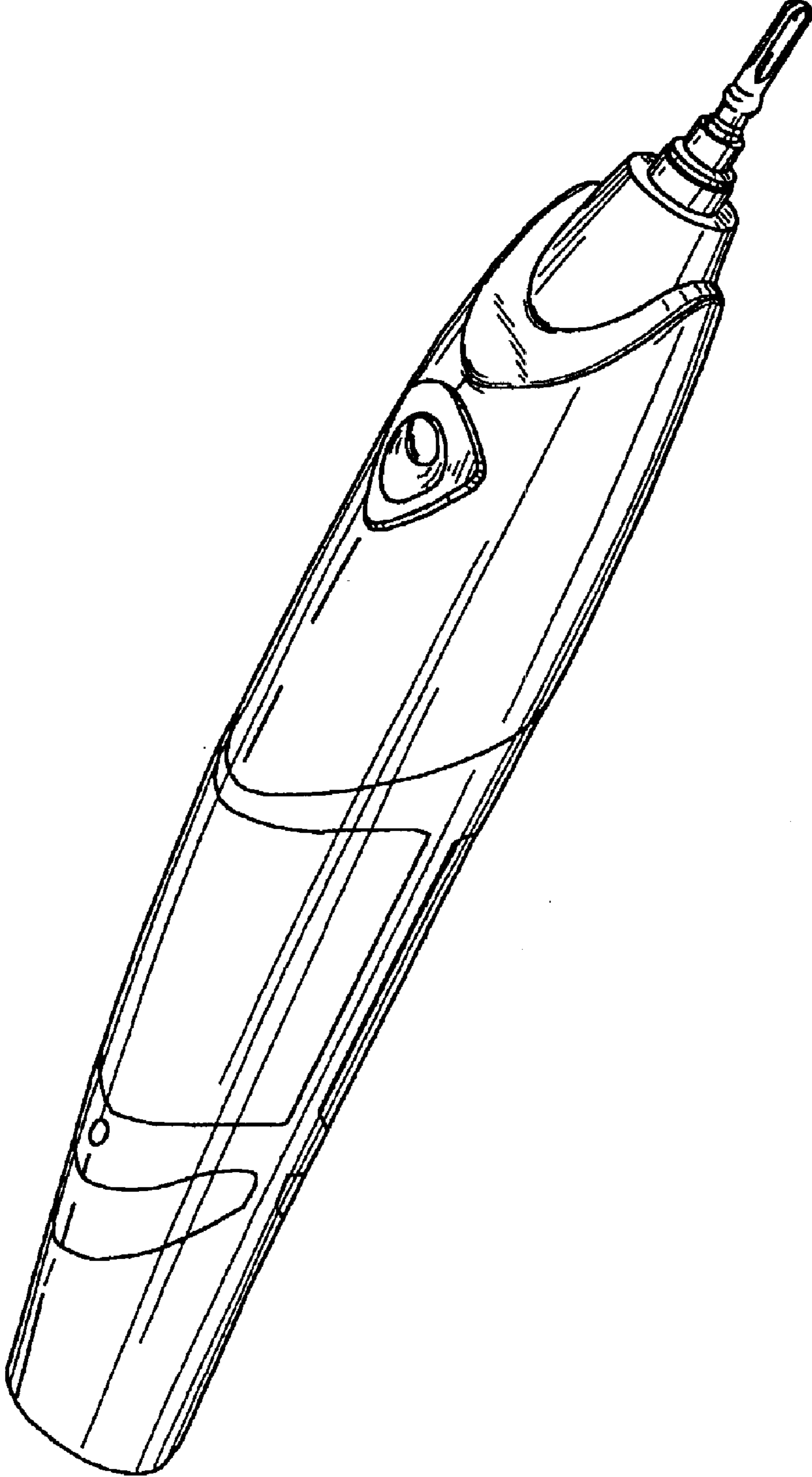


Fig. 1

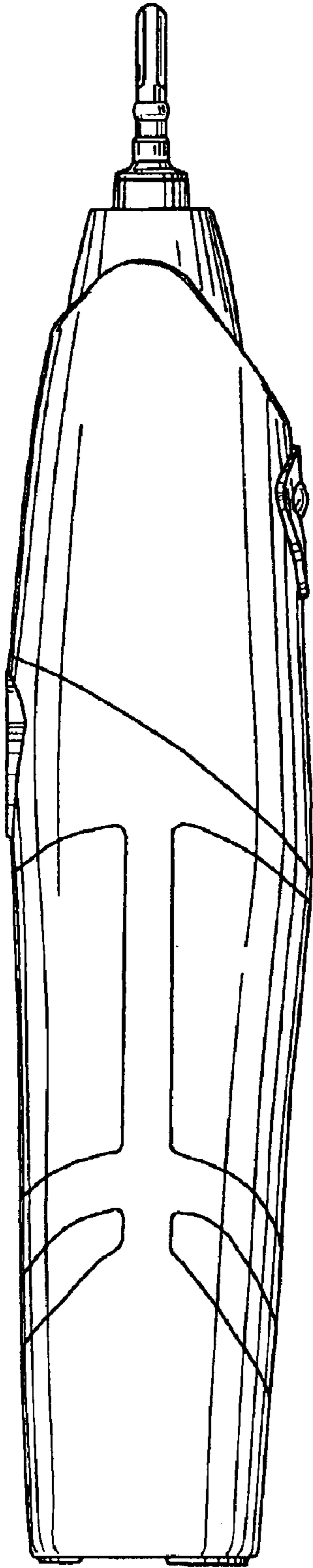


Fig. 3

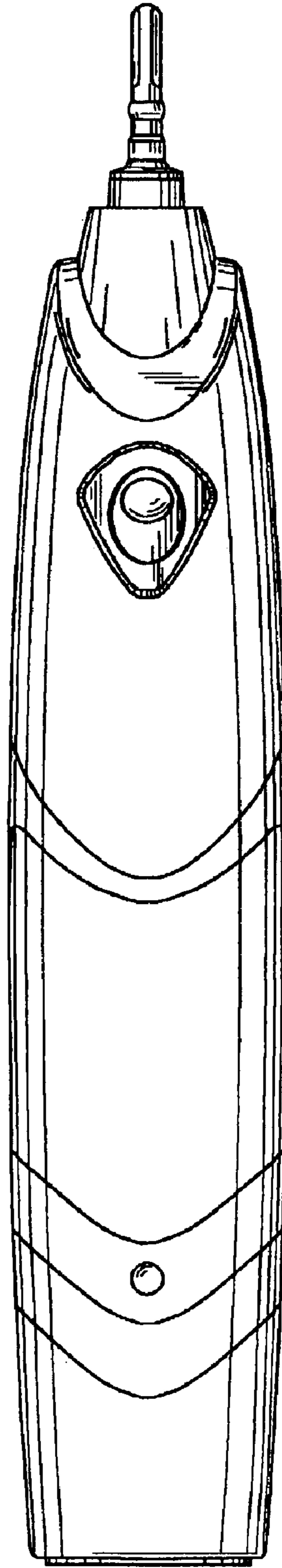


Fig. 2

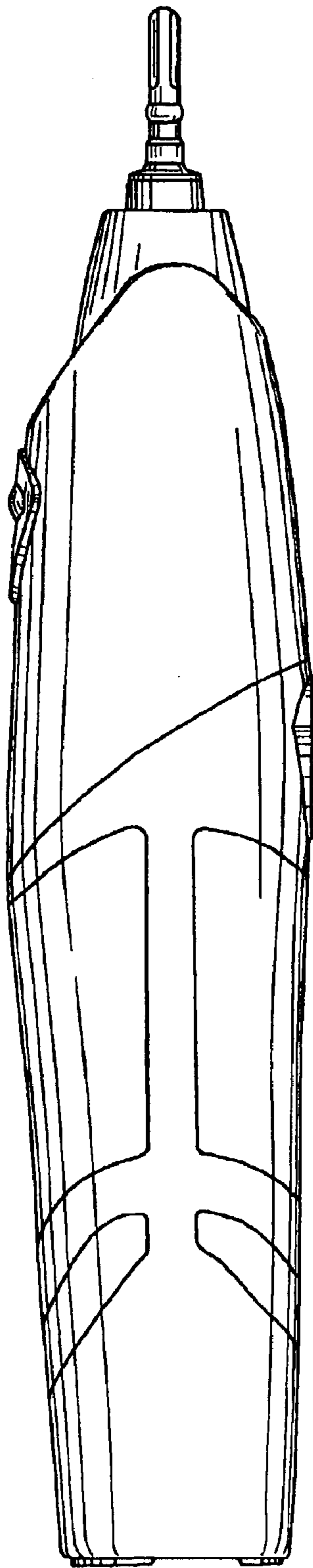


Fig. 4

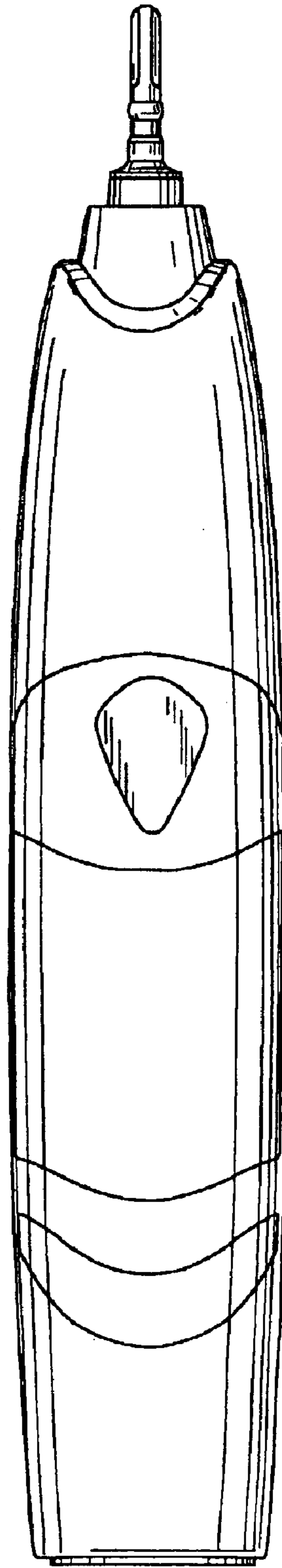


Fig. 5

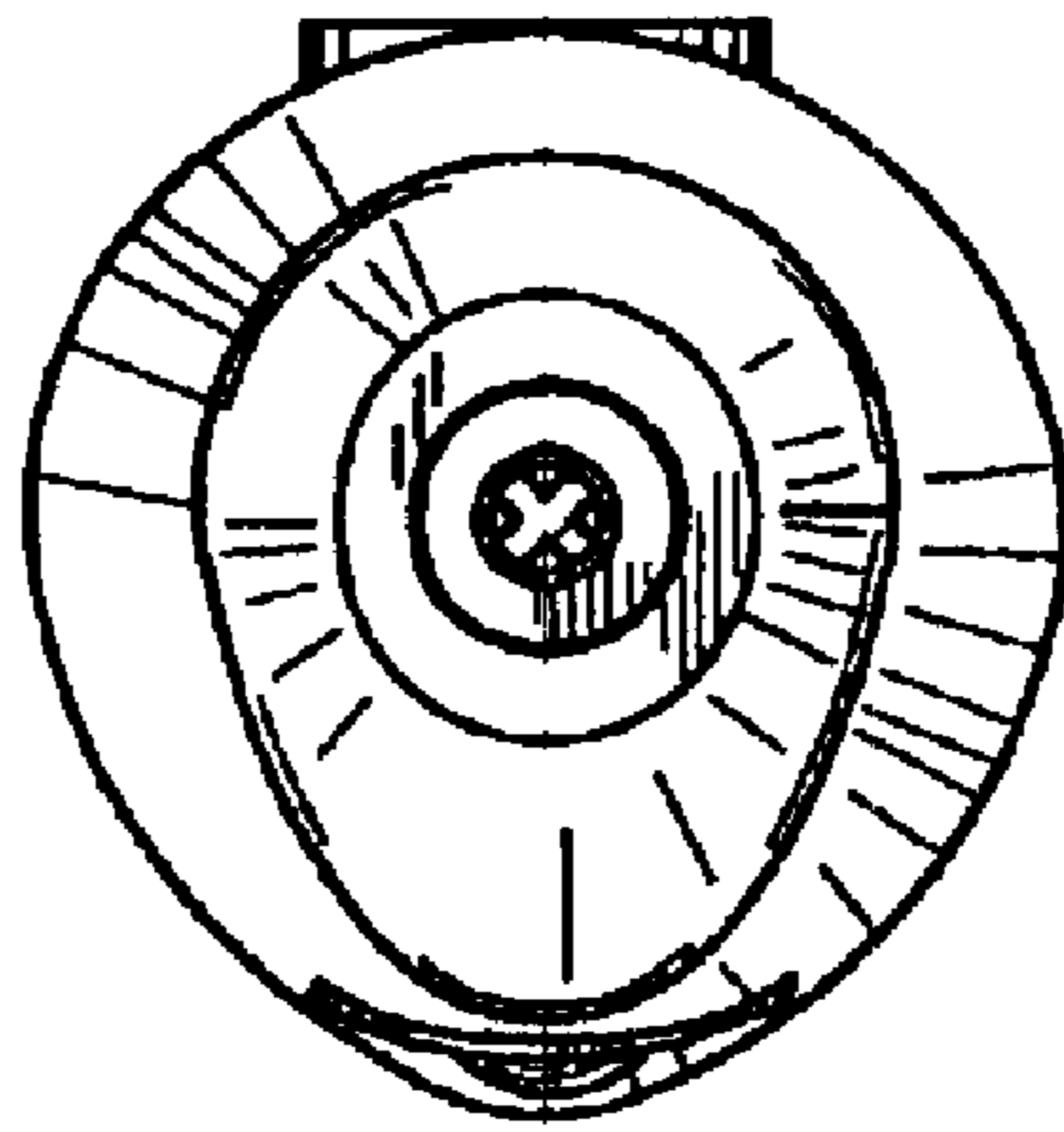


Fig. 6

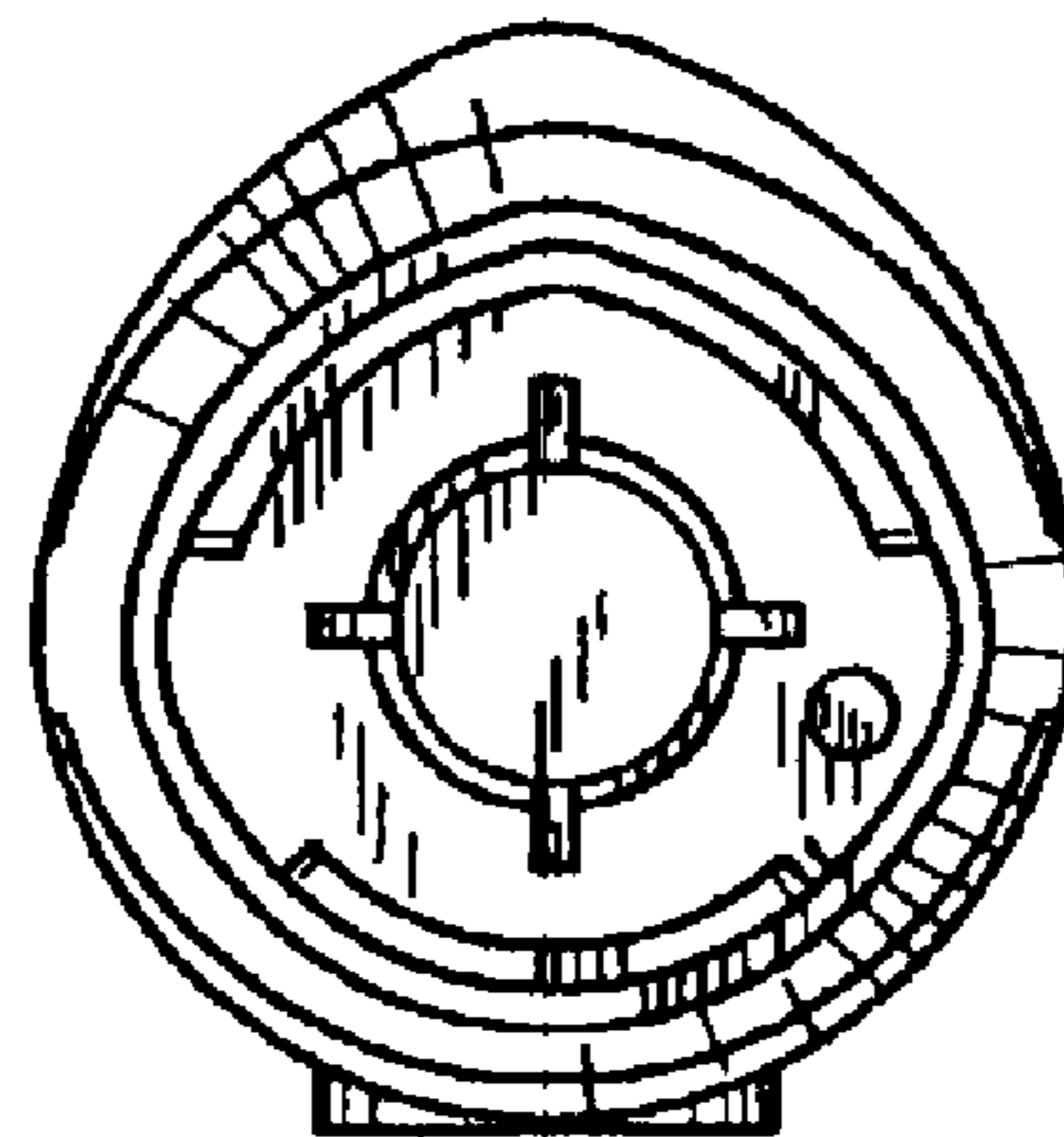


Fig. 7