



US00D487349S

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

(10) **Patent No.:** **US D487,349 S**  
(45) **Date of Patent:** **\*\* Mar. 9, 2004**

- (54) **DENTAL DEVICE**
- (75) Inventor: **Danial E. Julian**, Berthoud, CO (US)
- (73) Assignee: **Water Pik, Inc.**, Fort Collins, CO (US)
- (\*\*) Term: **14 Years**
- (21) Appl. No.: **29/154,990**
- (22) Filed: **Feb. 1, 2002**
- (51) **LOC (7) Cl.** ..... **04-02**
- (52) **U.S. Cl.** ..... **D4/101**
- (58) **Field of Search** ..... D4/101, 104-112;  
15/143.1, 167.1-167.2, 186-187, 22.1

GB	899618	6/1962
GB	1583558	8/1977
JP	53-33753	3/1978
JP	403-222905 A	10/1991
SE	324221	5/1970
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

(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 Dentrionics 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*—Holly Baynham  
 (74) *Attorney, Agent, or Firm*—Dorsey & Whitney LLP

(57) **CLAIM**

The ornamental design for a dental device, as shown.

**DESCRIPTION**

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

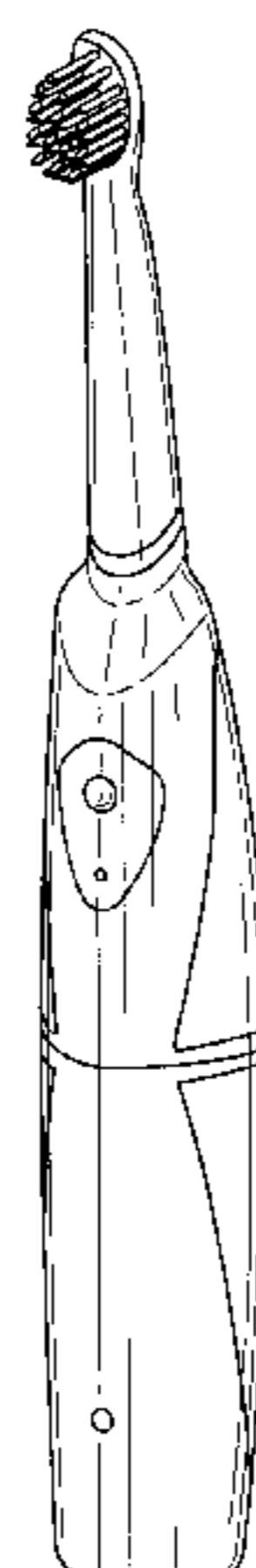
**1 Claim, 3 Drawing Sheets**

- (56) **References Cited**
- U.S. PATENT DOCUMENTS**
- 1,313,490 A 8/1919 Larson
- 1,355,037 A 10/1920 Dziuk

(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	2175494	12/1986
DE	8626725	5/1987
DE	37 36 308 A1	7/1989
DE	41 42 404 C2	7/1991
DE	40 03 305 A1	8/1991
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	12/1997
EP	0 354 352 A1	2/1990
EP	0 661 025 B1	7/1995
FR	1171337	1/1959
GB	477799	1/1938
GB	500517	2/1939







# US D487,349 S

5,896,615 A	4/1999	Zaksenberg .....	15/167.1	6,032,313 A	3/2000	Tsang .....	15/22.1
5,899,693 A	5/1999	Himeno et al. ....	433/119	6,035,476 A	3/2000	Underwood et al. ....	15/22.1
D410,787 S	6/1999	Barre et al. ....	D4/104	D423,784 S	5/2000	Joulin .....	D4/104
5,908,038 A	6/1999	Bennett .....	132/308	6,065,176 A	5/2000	Watanabe et al. ....	15/167.1
D411,769 S *	7/1999	Wright .....	D4/101	6,095,811 A	8/2000	Stearns .....	433/29
5,927,300 A	7/1999	Boland et al. ....	132/322	6,165,131 A	12/2000	Cuse et al. ....	600/495
5,930,858 A	8/1999	Jung .....	15/22.1	D436,254 S *	1/2001	Kling et al. ....	D4/101
5,931,170 A	8/1999	Wu .....	132/322	6,183,254 B1	2/2001	Cohen .....	433/92
5,943,723 A	8/1999	Hilfinger et al. ....	15/22.1	6,299,444 B1	10/2001	Cohen .....	433/91
5,944,033 A	8/1999	Robinson .....	132/322	6,349,442 B1	2/2002	Cohen et al. ....	15/22.1
D414,937 S	10/1999	Cornu et al. ....	D4/104	<b>FOREIGN PATENT DOCUMENTS</b>			
D414,939 S	10/1999	Pedro, Jr. et al. ....	D4/104	WO	WO 94/26144	11/1994	
5,974,613 A	11/1999	Herzog .....	15/22.1	WO	WO 95/02375	1/1995	
5,974,615 A	11/1999	Schwarz-		WO	WO 95/33419	12/1995	
		Hartmann et al. ....	15/22.4	WO	WO 01/28452	4/2001	
5,987,681 A	11/1999	Hahn et al. ....	15/22.1	WO	WO 01/28452 A1	4/2001	
5,991,957 A	11/1999	Watanabe .....	15/167.1	WO	WO 01/45582 A1	6/2001	
D417,960 S	12/1999	Moskovich et al. ....	D4/104				
6,000,083 A	12/1999	Blaustein et al. ....	15/28				
6,009,589 A	1/2000	Driesen et al. ....	15/167.1				
6,021,538 A	2/2000	Kressner et al. ....	15/28				

\* cited by examiner

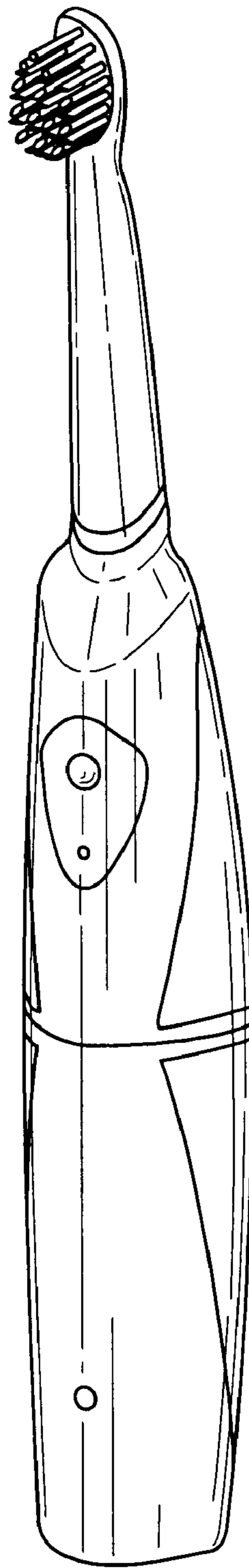


FIG. 1

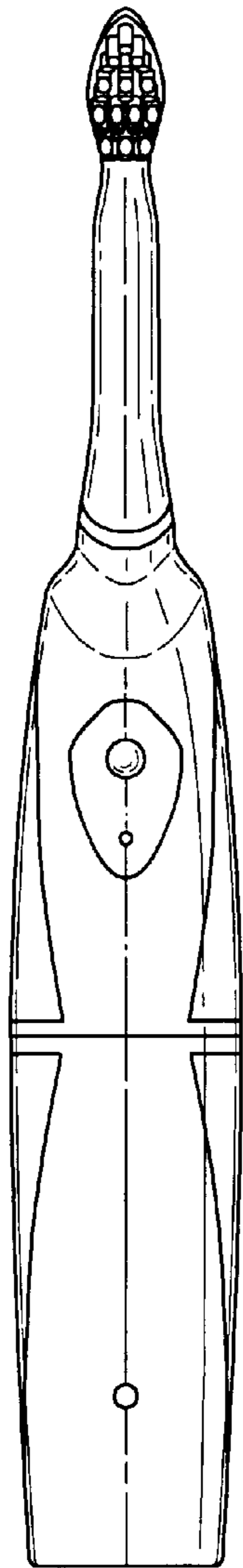


FIG. 2



FIG. 3

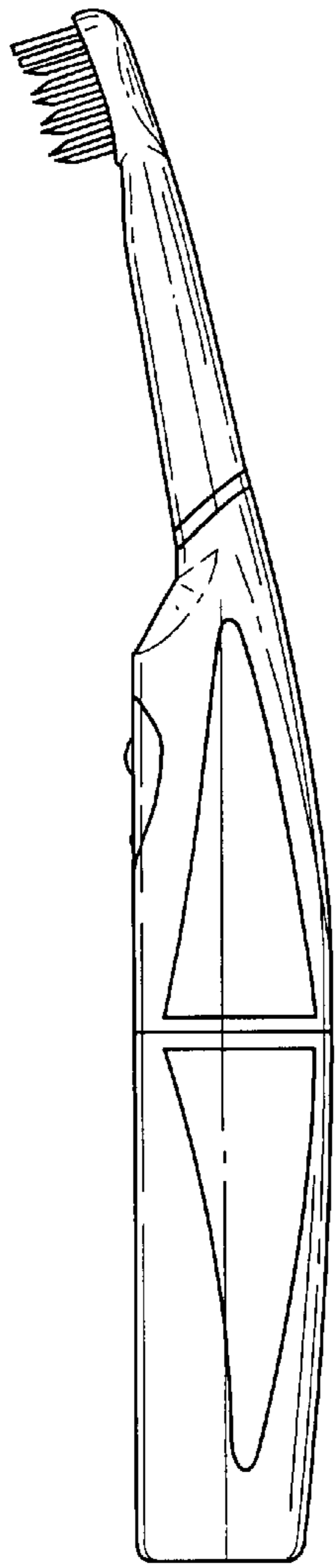


FIG. 4



FIG. 5

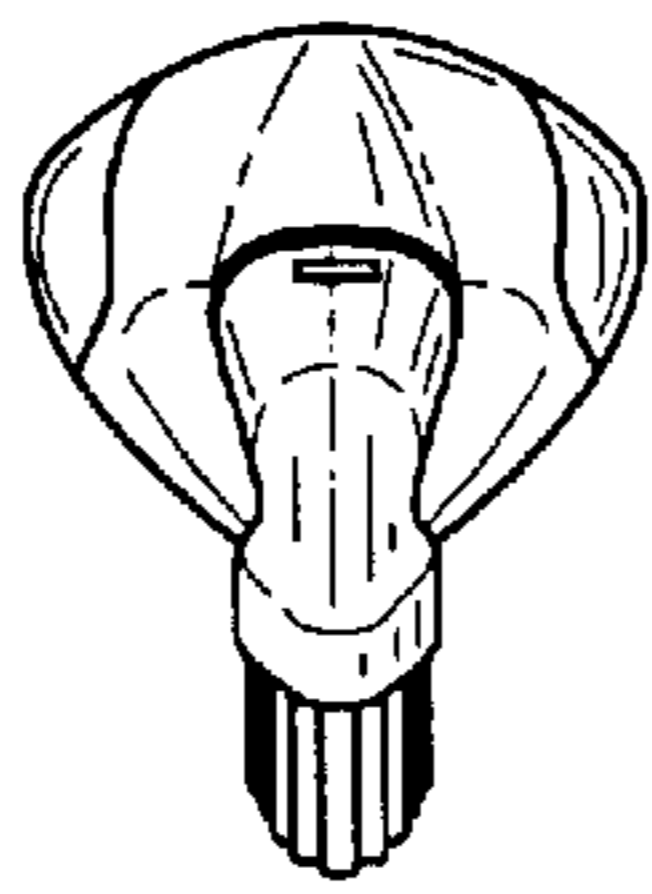


FIG. 6

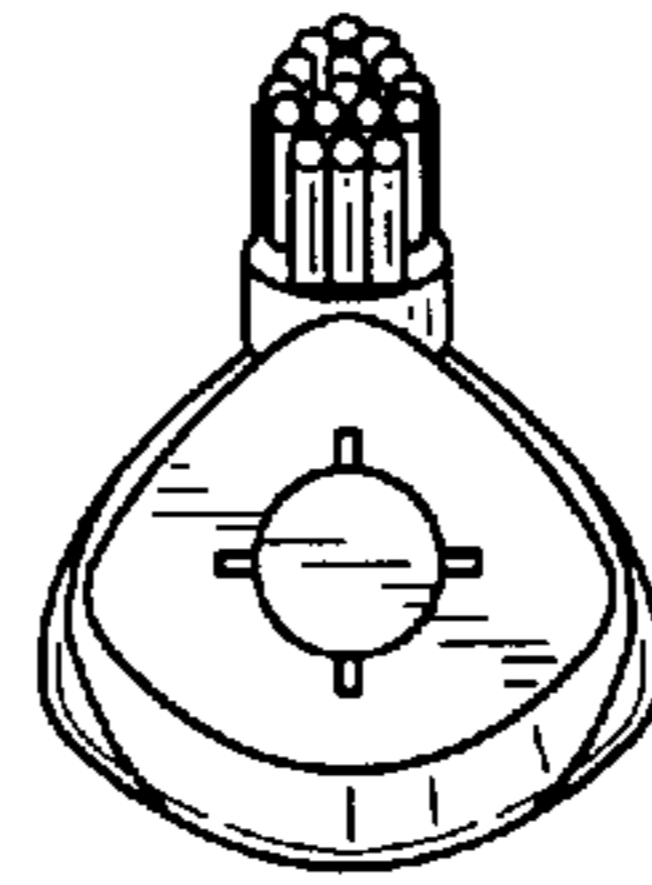


FIG. 7