



US00D658760S

(12) **United States Design Patent**
Cox et al.

(10) **Patent No.:** **US D658,760 S**

(45) **Date of Patent:** **** May 1, 2012**

(54) **WOUND CARE ELECTROSURGICAL WAND**

(75) Inventors: **David A. Cox**, Austin, TX (US);
Johnson E. Goode, Austin, TX (US);
Philip M. Tetzlaff, Austin, TX (US);
Rajitha Aluru, Austin, TX (US)

(73) Assignee: **ArthroCare Corporation**, Austin, TX (US)

(**) Term: **14 Years**

(21) Appl. No.: **29/377,008**

(22) Filed: **Oct. 15, 2010**

(51) **LOC (9) Cl.** **24-02**

(52) **U.S. Cl.** **D24/144**

(58) **Field of Classification Search** D24/133,
D24/144, 112, 127, 138, 147; 606/27-29,
606/37, 32, 1, 40-42, 44, 48-50

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,050,904	A	4/1936	Trice	219/31
2,056,377	A	10/1939	Wappler	125/303
2,611,365	A *	9/1952	Rubens	606/42
3,633,425	A	1/1972	Sanford	73/356
3,707,149	A	12/1972	Hao et al.	128/303.14
3,718,617	A	2/1973	Royal	260/30.4
3,815,604	A	6/1974	O'Malley et al.	128/305
3,828,780	A	8/1974	Morrison, Jr. et al.	128/275
3,901,242	A	8/1975	Storz	128/303
3,920,021	A	11/1975	Hiltebrandt	128/303
3,939,839	A	2/1976	Curtiss	128/303
3,963,030	A	6/1976	Newton	606/40
3,964,487	A	6/1976	Judson	606/39
3,970,088	A	7/1976	Morrison	128/303
4,033,351	A	7/1977	Hetzel	606/48
4,040,426	A	8/1977	Morrison, Jr.	128/303
4,043,342	A	8/1977	Morrison, Jr.	128/303
4,074,718	A	2/1978	Morrison, Jr.	128/303
4,092,986	A	6/1978	Schneiderman	128/303

(Continued)

FOREIGN PATENT DOCUMENTS

DE 3119735 1/1983

(Continued)

OTHER PUBLICATIONS

Barry et al., "The Effect of Radiofrequency-generated Thermal Energy on the Mechanical and Histologic Characteristics of the Arterial Wall in Vivo: Implications of Radiofrequency Angioplasty" *American Heart Journal* vol. 117, pp. 332-341, 1982.

(Continued)

Primary Examiner — Wan Laymon

(74) *Attorney, Agent, or Firm* — Matthew Scheele; Brian Szymczak

(57) **CLAIM**

The ornamental design for a wound care electro-surgical wand, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a wound care electro-surgical wand, showing our new design;

FIG. 2 is a right side elevation view thereof;

FIG. 3 is a top elevation view thereof;

FIG. 4 is a bottom elevation view thereof;

FIG. 5 is a front elevation view thereof;

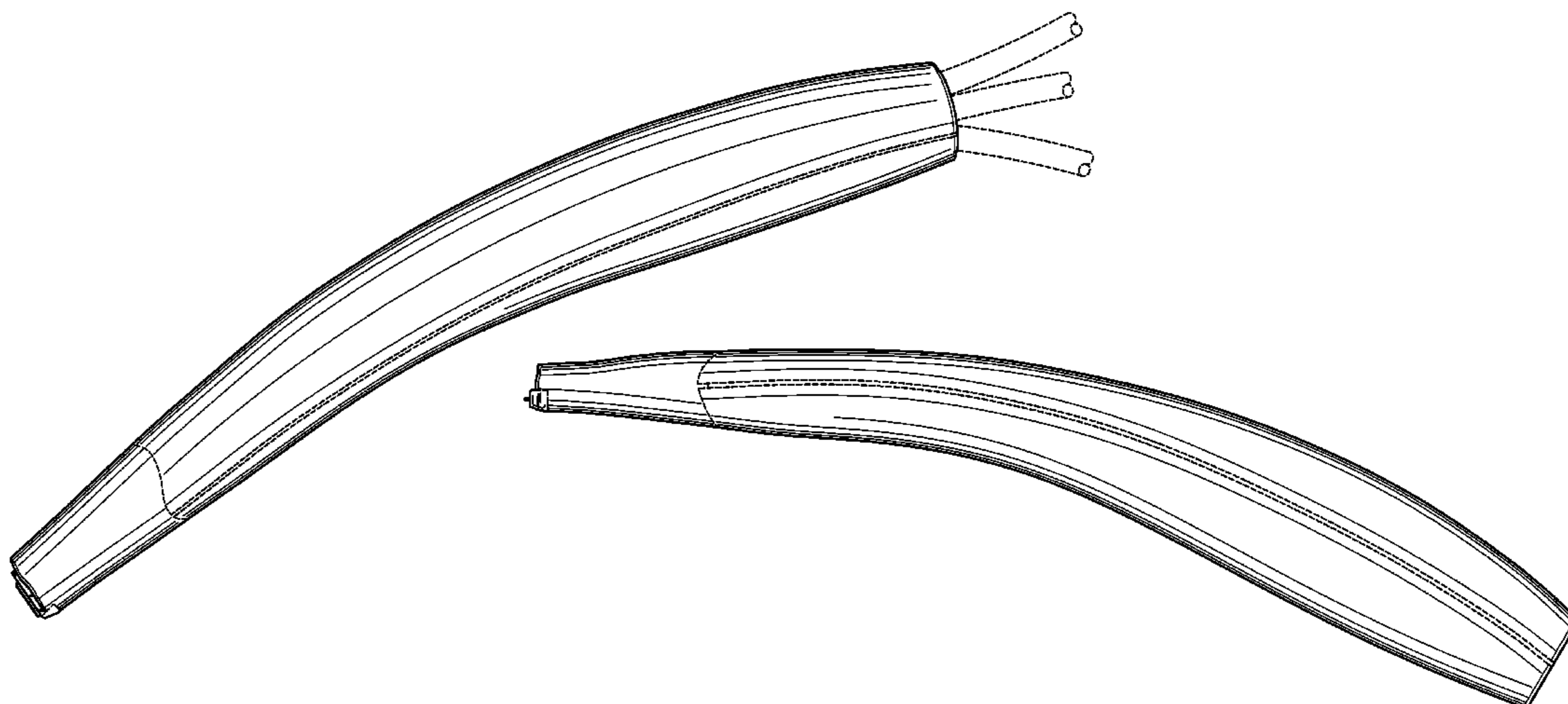
FIG. 6 is a back elevation view thereof; and,

FIG. 7 is a front perspective view the wound care electro-surgical wand shown in an environment.

The left side elevation view has been omitted as it is a mirror image of the right elevation view presented.

The broken lines shown in the figures represent portions of the wound care electro-surgical wand that form no part of the claimed design. The broken lines shown portions of the hand detail and the tubular members are included for the purpose of illustrating the wound care electro-surgical wand in use and form no part of the claimed design. The broken lines form no part of the claimed design.

1 Claim, 5 Drawing Sheets



US D658,760 S

U.S. PATENT DOCUMENTS									
D249,549	S *	9/1978	Pike	D24/144	5,125,928	A	6/1992	Parins et al.	606/48
4,114,623	A	9/1978	Meinke et al.	606/39	5,156,151	A	10/1992	Imran	600/375
4,116,198	A	9/1978	Roos	128/303	5,167,659	A	12/1992	Ohtomo et al.	606/40
4,181,131	A	1/1980	Ogiu	128/303	5,171,311	A	12/1992	Rydell et al.	606/48
4,184,492	A	1/1980	Meinke et al.	128/303	5,174,304	A	12/1992	Latina et al.	607/141
4,202,337	A	5/1980	Hren et al.	128/303	5,178,620	A	1/1993	Eggers et al.	606/41
4,228,800	A	10/1980	Degler, Jr. et al.	128/303	5,183,338	A	2/1993	Wickersheim et al.	374/131
4,232,676	A	11/1980	Herczog	128/303	5,190,517	A	3/1993	Zieve et al.	604/22
4,240,441	A	12/1980	Khalil	600/505	5,192,280	A	3/1993	Parins	606/48
4,248,231	A	2/1981	Herczog et al.	128/303	5,195,959	A	3/1993	Smith	604/34
4,301,801	A	11/1981	Schneiderman	606/38	5,197,466	A	3/1993	Marchosky et al.	128/399
4,326,529	A	4/1982	Doss et al.	128/303	5,197,963	A	3/1993	Parins	606/46
4,346,715	A	8/1982	Gammell	607/99	5,207,675	A	5/1993	Canady	606/40
4,363,324	A	12/1982	Kusserow	607/64	5,217,457	A	6/1993	Delahuerge et al.	606/42
4,378,801	A	4/1983	Oosten	606/37	5,217,459	A	6/1993	Kamerling	606/48
4,381,007	A	4/1983	Doss	128/303	5,249,585	A	10/1993	Turner et al.	607/99
4,418,692	A	12/1983	Guay	606/42	5,255,980	A	10/1993	Thomas et al.	374/161
4,474,179	A	10/1984	Koch	606/40	5,261,410	A	11/1993	Alfano et al.	600/475
4,476,862	A	10/1984	Pao	128/303	5,267,994	A	12/1993	Gentelia et al.	606/15
4,509,532	A	4/1985	DeVries	128/736	5,267,997	A	12/1993	Farin et al.	606/38
4,520,818	A	6/1985	Mickiewicz	606/40	5,273,524	A	12/1993	Fox et al.	604/21
4,532,924	A	8/1985	Auth et al.	128/303	5,277,201	A	1/1994	Stern	607/98
4,548,207	A	10/1985	Reimels	128/303	5,281,216	A	1/1994	Klicek	606/42
4,567,890	A	2/1986	Ohta et al.	128/303	5,281,218	A	1/1994	Imran	606/41
4,572,206	A	2/1986	Geddes et al.	600/505	5,282,799	A	2/1994	Rydell	606/48
4,580,557	A	4/1986	Hertzmann	606/12	5,290,282	A	3/1994	Casscells	606/29
4,587,975	A	5/1986	Salo et al.	600/506	5,300,069	A	4/1994	Hunsberger et al.	606/37
4,590,934	A	5/1986	Malis et al.	128/303	5,306,238	A	4/1994	Fleenor	606/42
4,593,691	A	6/1986	Lindstrom et al.	128/303	5,312,400	A	5/1994	Bales et al.	606/41
4,658,817	A	4/1987	Hardy	606/14	5,314,406	A	5/1994	Arias et al.	604/21
4,660,571	A	4/1987	Hess et al.	128/784	5,318,563	A	6/1994	Malis et al.	606/38
4,674,499	A	6/1987	Pao	128/303	5,324,254	A	6/1994	Phillips	604/21
4,682,596	A	7/1987	Bales et al.	128/303	5,330,470	A	7/1994	Hagen	606/42
4,706,667	A	11/1987	Roos	128/303	5,334,140	A	8/1994	Philips	604/35
4,709,698	A	12/1987	Johnston et al.	606/41	5,334,183	A	8/1994	Wuchinich	606/46
4,727,874	A	3/1988	Bowers et al.	128/303	5,334,193	A	8/1994	Nardella	606/41
4,750,902	A	6/1988	Wuchinich et al.	604/22	5,336,220	A	8/1994	Ryan et al.	604/22
4,765,331	A	8/1988	Petruzzi et al.	128/303	5,336,443	A	8/1994	Odashima	252/511
4,785,823	A	11/1988	Eggers et al.	128/692	5,342,357	A	8/1994	Nardella	606/40
4,805,616	A	2/1989	Pao	128/303	5,348,554	A	9/1994	Imran et al.	606/41
4,823,791	A	4/1989	D'Amelio et al.	123/303	5,363,324	A	11/1994	Hashimoto et al.	365/156
4,832,048	A	5/1989	Cohen	128/786	5,366,443	A	11/1994	Eggers et al.	604/114
4,860,752	A	8/1989	Turner	607/102	5,370,675	A	12/1994	Edwards et al.	607/101
4,898,169	A	2/1990	Norman et al.	606/42	5,374,261	A	12/1994	Yoon	604/385.01
4,907,589	A	3/1990	Cosman	606/34	5,375,588	A	12/1994	Yoon	128/4
4,920,978	A	5/1990	Colvin	128/784	5,380,277	A	1/1995	Phillips	604/33
4,931,047	A	6/1990	Broadwin et al.	604/22	5,380,316	A	1/1995	Aita	606/7
4,936,281	A	6/1990	Stasz	128/660	5,383,876	A	1/1995	Nardella	606/49
4,936,301	A	6/1990	Rexroth et al.	606/45	5,383,917	A	1/1995	Desai et al.	607/702
4,943,290	A	7/1990	Rexroth et al.	606/45	5,389,096	A	2/1995	Aita	606/15
4,955,377	A	9/1990	Lennox et al.	607/105	5,395,312	A	3/1995	Desai	604/22
4,966,597	A	10/1990	Cosman	606/50	5,400,267	A	3/1995	Denen et al.	702/59
4,967,765	A	11/1990	Turner et al.	128/785	5,401,272	A	3/1995	Perkins	606/15
4,976,711	A	12/1990	Parins et al.	606/48	5,403,311	A	4/1995	Abele et al.	606/49
4,979,948	A	12/1990	Geddes et al.	606/33	5,417,687	A	5/1995	Nardella et al.	606/32
4,998,933	A	3/1991	Eggers et al.	606/41	5,419,767	A	5/1995	Eggers et al.	604/114
5,007,908	A	4/1991	Rydell	606/47	5,423,810	A	6/1995	Goble et al.	606/40
5,009,656	A	4/1991	Reimels	606/48	5,423,882	A	6/1995	Jackman et al.	607/122
5,026,387	A	6/1991	Thomas	606/169	5,436,566	A	7/1995	Thompson et al.	324/713
5,035,696	A	7/1991	Rydell	606/47	5,437,662	A	8/1995	Nardella	606/40
5,047,026	A	9/1991	Rydell	606/48	5,438,302	A	8/1995	Goble	331/167
5,047,027	A	9/1991	Rydell	606/48	5,441,499	A	8/1995	Fritsch	606/45
5,057,105	A	10/1991	Malone et al.	606/28	5,449,356	A	9/1995	Walbrink et al.	606/49
5,057,106	A	10/1991	Kasevich et al.	606/33	5,451,224	A	9/1995	Goble et al.	606/48
5,078,717	A	1/1992	Parins et al.	606/48	5,454,809	A	10/1995	Janssen	606/41
5,080,660	A	1/1992	Buelna	606/45	5,458,596	A	10/1995	Lax et al.	606/31
5,083,565	A	1/1992	Parins et al.	600/374	5,458,597	A	10/1995	Edwards et al.	606/41
5,084,044	A	1/1992	Quint	606/27	5,472,443	A	12/1995	Cordis et al.	606/48
5,085,659	A	2/1992	Rydell	606/47	5,486,161	A	1/1996	Lax et al.	604/22
5,088,997	A	2/1992	Delahuerge et al.	606/42	5,496,312	A	3/1996	Klicek	606/34
5,092,339	A	3/1992	Geddes et al.	606/505	5,496,314	A	3/1996	Eggers	606/41
5,098,431	A	3/1992	Rydell	606/48	5,496,317	A	3/1996	Goble et al.	606/48
5,099,840	A	3/1992	Goble	128/422	5,505,730	A	4/1996	Edwards	606/41
5,102,410	A	4/1992	Dressel	606/15	5,507,743	A	4/1996	Edwards et al.	606/41
5,108,391	A	4/1992	Flachenecker et al.	606/38	5,514,130	A	5/1996	Baker	606/41
RE33,925	E	5/1992	Bales et al.	606/48	5,540,683	A	7/1996	Ichikawa et al.	606/40
5,112,330	A	5/1992	Nishigaki et al.	606/46	5,542,915	A	8/1996	Edwards et al.	604/22
5,122,138	A	6/1992	Manwaring	606/46	5,549,598	A	8/1996	O'Donnell, Jr.	606/6
					5,554,152	A	9/1996	Aita	606/7

US D658,760 S

5,556,397 A	9/1996	Long et al.	606/48	6,149,620 A	11/2000	Baker et al.	604/22
5,562,703 A	10/1996	Desai	606/210	6,159,194 A	12/2000	Eggers et al.	604/500
5,569,242 A	10/1996	Lax et al.	606/42	6,159,208 A	12/2000	Hovda et al.	606/41
5,571,100 A	11/1996	Goble et al.	606/41	6,162,217 A	12/2000	Kannenberget al.	606/34
5,573,533 A	11/1996	Strul	606/34	6,168,593 B1	1/2001	Sharkey et al.	606/34
5,584,872 A	12/1996	LaFontaine et al.	607/117	6,174,309 B1	1/2001	Wrublewski et al.	606/45
5,588,960 A	12/1996	Edwards et al.	604/20	6,179,824 B1	1/2001	Eggers et al.	604/500
5,599,350 A	2/1997	Schulze et al.	606/51	6,179,836 B1	1/2001	Eggers et al.	606/45
5,609,151 A	3/1997	Mulier et al.	128/642	6,183,469 B1	2/2001	Thapliyal et al.	606/41
5,633,578 A	5/1997	Eggers et al.	323/301	6,190,381 B1	2/2001	Olsen et al.	606/32
5,634,921 A	6/1997	Hood et al.	606/5	6,197,021 B1	3/2001	Panescu et al.	606/31
5,643,304 A	7/1997	Schechter et al.	606/171	6,203,542 B1	3/2001	Ellsberry et al.	606/41
5,647,869 A	7/1997	Goble et al.	606/37	6,210,402 B1	4/2001	Olsen et al.	606/32
5,658,278 A	8/1997	Imran et al.	606/41	6,210,405 B1	4/2001	Goble et al.	606/41
5,660,567 A	8/1997	Nierlich et al.	439/620.21	6,224,592 B1	5/2001	Eggers et al.	606/32
5,662,680 A	9/1997	Desai	606/210	6,228,078 B1	5/2001	Eggers	606/32
5,676,693 A	10/1997	LaFontaine	607/116	6,228,081 B1	5/2001	Goble	606/34
5,681,282 A	10/1997	Eggers et al.	604/114	6,235,020 B1	5/2001	Cheng et al.	606/34
5,683,366 A	11/1997	Eggers et al.	604/114	6,237,604 B1	5/2001	Burnside et al.	128/897
5,697,281 A	12/1997	Eggers et al.	604/114	6,238,391 B1	5/2001	Olsen et al.	606/41
5,697,536 A	12/1997	Eggers et al.	604/114	6,238,393 B1	5/2001	Mulier et al.	606/41
5,697,882 A	12/1997	Eggers et al.	604/114	6,254,600 B1	7/2001	Willink et al.	606/41
5,697,909 A	12/1997	Eggers et al.	604/114	6,261,286 B1	7/2001	Goble et al.	606/34
5,697,927 A	12/1997	Imran et al.	606/41	6,261,311 B1	7/2001	Sharkey et al.	607/96
5,700,262 A	12/1997	Acosta et al.	606/48	6,264,652 B1	7/2001	Eggers et al.	606/41
5,715,817 A	2/1998	Stevens-Wright et al.	600/373	6,270,460 B1	8/2001	McCartan et al.	600/459
5,722,975 A	3/1998	Edwards et al.	606/41	6,277,112 B1	8/2001	Underwood et al.	606/32
5,725,524 A	3/1998	Mulier et al.	606/41	6,280,441 B1	8/2001	Ryan	606/45
5,749,869 A	5/1998	Lindenmeier et al.	606/34	6,283,961 B1	9/2001	Underwood et al.	604/41
5,749,871 A	5/1998	Hood et al.	606/50	6,293,942 B1	9/2001	Goble et al.	606/38
5,749,914 A	5/1998	Janssen	607/116	6,296,636 B1	10/2001	Cheng et al.	606/32
5,755,753 A	5/1998	Knowlton	607/98	6,296,638 B1	10/2001	Davison et al.	606/41
5,766,153 A	6/1998	Eggers et al.	604/114	6,306,134 B1	10/2001	Goble et al.	606/42
5,769,847 A	6/1998	Panescu et al.	606/42	6,308,089 B1	10/2001	von der Ruhr et al.	600/338
5,785,705 A	7/1998	Baker	606/32	6,309,387 B1	10/2001	Eggers et al.	606/41
5,786,578 A	7/1998	Christy et al.	219/720	6,312,408 B1	11/2001	Eggers et al.	604/114
5,800,429 A	9/1998	Edwards	606/41	6,322,549 B1	11/2001	Eggers et al.	604/500
5,807,395 A	9/1998	Mulier et al.	606/41	6,346,104 B2	2/2002	Rhoads	606/34
5,810,764 A	9/1998	Eggers et al.	604/23	6,346,107 B1	2/2002	Cucin	606/49
5,810,802 A	9/1998	Panescu et al.	606/31	6,355,032 B1	3/2002	Hovda et al.	606/32
5,810,809 A	9/1998	Rydell	606/49	6,363,937 B1	4/2002	Hovda et al.	128/898
5,836,875 A	11/1998	Webster, Jr.	600/374	6,364,877 B1	4/2002	Goble et al.	606/34
5,843,019 A	12/1998	Eggers et al.	604/22	6,379,351 B1	4/2002	Thapliyal et al.	606/41
5,860,951 A	1/1999	Eggers	604/510	6,391,025 B1	5/2002	Weinstein et al.	606/41
5,860,974 A	1/1999	Abele	606/41	6,409,722 B1	6/2002	Hoey et al.	606/34
5,860,975 A	1/1999	Goble et al.	606/45	6,416,507 B1	7/2002	Eggers et al.	606/32
5,871,469 A	2/1999	Eggers et al.	604/114	6,416,508 B1	7/2002	Eggers et al.	606/32
5,873,855 A	2/1999	Eggers et al.	604/114	6,416,509 B1	7/2002	Goble et al.	606/37
5,873,877 A	2/1999	McGaffigan	606/41	6,432,103 B1	8/2002	Ellsberry et al.	606/41
5,885,277 A	3/1999	Korth	606/35	6,440,129 B1	8/2002	Simpson	606/42
5,888,198 A	3/1999	Eggers et al.	604/114	6,468,274 B1	10/2002	Alleyne et al.	606/32
5,891,095 A	4/1999	Eggers et al.	604/114	6,468,275 B1	10/2002	Wampler et al.	606/48
5,891,134 A	4/1999	Goble et al.	606/27	6,482,201 B1	11/2002	Olsen et al.	606/41
5,897,553 A	4/1999	Mulier	606/41	6,514,250 B1	2/2003	Jahns et al.	606/41
5,902,272 A	5/1999	Eggers et al.	604/114	6,517,498 B1	2/2003	Burbank et al.	600/564
5,944,715 A	8/1999	Goble et al.	606/41	6,530,922 B2	3/2003	Cosman	606/34
5,954,716 A	9/1999	Sharkey et al.	606/32	6,558,382 B2	5/2003	Jahns et al.	606/41
5,964,786 A	10/1999	Ochs et al.	607/5	6,565,560 B1	5/2003	Goble et al.	606/41
6,004,319 A	12/1999	Goble et al.	606/48	6,578,579 B2	6/2003	Burnside	128/897
6,013,076 A	1/2000	Goble et al.	606/41	6,589,237 B2	7/2003	Woloszko et al.	606/41
6,015,406 A	1/2000	Goble et al.	606/41	6,602,248 B1	8/2003	Sharps et al.	606/32
6,024,733 A	2/2000	Eggers et al.	604/500	6,620,156 B1	9/2003	Garito et al.	606/50
6,027,501 A	2/2000	Goble et al.	606/41	6,632,193 B1	10/2003	Davison et al.	604/22
6,039,734 A	3/2000	Goble et al.	606/41	6,632,220 B1	10/2003	Eggers et al.	606/41
6,047,700 A	4/2000	Eggers et al.	128/898	6,635,034 B1	10/2003	Cosmescu	604/289
6,056,746 A	5/2000	Goble et al.	606/48	6,656,177 B2	12/2003	Truckai et al.	606/51
6,063,079 A	5/2000	Hovda et al.	606/41	6,702,810 B2	3/2004	McClurken et al.	606/34
6,066,134 A	5/2000	Eggers et al.	606/32	6,730,080 B2	5/2004	Harano et al.	606/38
6,068,628 A	5/2000	Fanton et al.	606/41	6,746,447 B2	6/2004	Davison et al.	606/41
6,074,386 A	6/2000	Goble et al.	606/34	6,749,604 B1	6/2004	Eggers et al.	606/41
6,090,106 A	7/2000	Goble et al.	606/41	6,749,608 B2	6/2004	Garito et al.	606/45
6,090,107 A *	7/2000	Borgmeier et al.	606/41	D493,530 S *	7/2004	Reschke	D24/144
6,093,186 A	7/2000	Goble et al.	606/34	6,770,071 B2	8/2004	Woloszko et al.	606/41
6,102,046 A	8/2000	Weinstein et al.	128/898	6,780,178 B2	8/2004	Palanker et al.	600/41
6,105,581 A	8/2000	Eggers et al.	128/898	6,780,180 B1	8/2004	Goble et al.	606/41
6,109,268 A	8/2000	Thapliyal et al.	128/898	6,802,842 B2	10/2004	Ellman et al.	606/45
6,117,109 A	9/2000	Eggers et al.	604/114	6,837,887 B2	1/2005	Woloszko et al.	606/41
6,126,682 A	10/2000	Sharkey et al.	607/96	6,837,888 B2	1/2005	Ciarrocca et al.	606/41
6,142,992 A	11/2000	Cheng et al.	606/34	6,866,671 B2	3/2005	Tierney et al.	606/130

US D658,760 S

6,878,149 B2	4/2005	Gatto	606/46	2003/0171743 A1	9/2003	Tasto et al.	606/32
6,890,307 B2	5/2005	Kokate et al.	600/549	2003/0181903 A1	9/2003	Hood et al.	606/49
6,892,086 B2	5/2005	Russell	600/372	2003/0208196 A1	11/2003	Stone	606/41
6,911,027 B1	6/2005	Edwards et al.	606/40	2003/0212396 A1	11/2003	Eggers et al.	606/41
6,920,883 B2	7/2005	Bessette et al.	128/898	2003/0216725 A1	11/2003	Woloszko et al.	606/41
6,921,398 B2 *	7/2005	Carmel et al.	606/41	2003/0216732 A1	11/2003	Truckai et al.	606/49
6,929,640 B1	8/2005	Underwood et al.	606/32	2004/0030330 A1	2/2004	Brassell et al.	606/41
6,949,096 B2	9/2005	Davison et al.	606/41	2004/0116922 A1	6/2004	Hovda et al.	606/41
6,960,204 B2	11/2005	Eggers et al.	606/32	2004/0127893 A1	7/2004	Hovda	606/41
6,974,453 B2	12/2005	Woloszko et al.	606/41	2004/0230190 A1	11/2004	Dahla et al.	604/41
6,979,328 B2	12/2005	Baerveldt et al.	606/6	2005/0004634 A1	1/2005	Ricart et al.	606/41
6,979,601 B2	12/2005	Marr et al.	438/132	2005/0033278 A1	2/2005	McClurken et al.	606/34
6,984,231 B2	1/2006	Goble et al.	606/37	2005/0245923 A1	11/2005	Christopherson et al.	606/41
6,986,770 B2	1/2006	Hood	606/41	2005/0261754 A1	11/2005	Woloszko et al.	606/32
6,991,631 B2	1/2006	Woloszko et al.	606/41	2005/0273091 A1	12/2005	Booth et al.	607/99
7,001,382 B2	2/2006	Gallo	606/41	2005/0288665 A1	12/2005	Woloszko et al.	606/41
7,004,941 B2	2/2006	Tvinnereim et al.	606/41	2006/0036237 A1	2/2006	Davison et al.	606/41
7,010,353 B2	3/2006	Gan et al.	607/50	2006/0095031 A1	5/2006	Ormsby	606/34
7,041,102 B2	5/2006	Truckai et al.	606/51	2006/0178670 A1	8/2006	Woloszko et al.	606/48
7,070,596 B1	7/2006	Woloszko et al.	606/41	2006/0189971 A1	8/2006	Eggers et al.	606/32
7,090,672 B2	8/2006	Underwood et al.	606/41	2006/0253117 A1	11/2006	Hovda et al.	128/898
7,094,215 B2	8/2006	Davison et al.	604/22	2006/0259025 A1	11/2006	Dahla	607/108
7,094,231 B1	8/2006	Ellman et al.	606/37	2007/0106288 A1	5/2007	Woloszko et al.	606/41
7,104,986 B2	9/2006	Hovda et al.	606/32	2007/0149966 A1	6/2007	Dahla et al.	606/41
7,115,139 B2	10/2006	McClurken et al.	607/96	2007/0161981 A1	7/2007	Sanders et al.	606/41
7,131,969 B1	11/2006	Hovda et al.	606/45	2007/0208334 A1	9/2007	Woloszko et al.	606/41
7,169,143 B2	1/2007	Eggers et al.	606/32	2007/0208335 A1	9/2007	Woloszko et al.	606/41
7,179,255 B2	2/2007	Lettice et al.	606/32	2007/0282323 A1	12/2007	Woloszko et al.	606/41
7,186,234 B2	3/2007	Dahla et al.	604/22	2008/0004621 A1	1/2008	Dahla et al.	606/48
7,192,428 B2	3/2007	Eggers et al.	606/41	2008/0077128 A1	3/2008	Woloszko et al.	606/41
7,201,750 B1	4/2007	Eggers et al.	606/41	2008/0154255 A1	6/2008	Panos et al.	606/33
7,217,268 B2	5/2007	Eggers et al.	606/32	2008/0167645 A1	7/2008	Woloszko	606/40
7,241,293 B2	7/2007	Davison	600/410	2008/0234671 A1	9/2008	Marion	606/41
7,247,155 B2	7/2007	Hoey et al.	606/34	2008/0243116 A1	10/2008	Anderson	606/41
7,270,658 B2	9/2007	Woloszko et al.	606/32	2008/0300590 A1	12/2008	Horne et al.	606/35
7,270,659 B2	9/2007	Hovda et al.	606/32	2009/0209956 A1	8/2009	Marion	606/34
7,270,661 B2	9/2007	Dahla et al.	606/41	2010/0152726 A1	6/2010	Cadouri et al.	606/41
7,276,061 B2	10/2007	Schaer et al.	607/41	2010/0228246 A1	9/2010	Marion	606/37
7,276,063 B2	10/2007	Davison et al.	606/45	2010/0292689 A1	11/2010	Davison et al.	606/41
7,278,994 B2	10/2007	Goble	606/41	2010/0318083 A1	12/2010	Davison et al.	606/41
7,282,048 B2	10/2007	Goble et al.	606/34	2010/0324549 A1	12/2010	Marion	606/37
7,297,143 B2	11/2007	Woloszko et al.	606/41	2011/0137308 A1	6/2011	Woloszko et al.	606/41
7,297,145 B2	11/2007	Ormsby et al.	606/41				
7,318,823 B2	1/2008	Sharps et al.	606/32				
7,331,956 B2	2/2008	Hovda et al.	606/32				
7,335,199 B2	2/2008	Goble et al.	606/41				
RE40,156 E	3/2008	Sharps et al.	606/32				
7,344,532 B2	3/2008	Goble et al.	606/34				
7,357,798 B2	4/2008	Sharps et al.	606/32				
7,387,625 B2	6/2008	Hovda et al.	606/32				
7,419,488 B2	9/2008	Ciarrocca et al.	606/41				
7,429,260 B2	9/2008	Underwood et al.	606/32				
7,429,262 B2	9/2008	Woloszko et al.	606/46				
7,435,247 B2	10/2008	Woloszko et al.	604/45				
7,442,191 B2	10/2008	Hovda et al.	606/41				
7,445,618 B2	11/2008	Eggers et al.	604/48				
7,449,021 B2	11/2008	Underwood et al.	606/32				
7,462,178 B2	12/2008	Woloszko et al.	607/105				
7,468,059 B2	12/2008	Eggers et al.	606/32				
7,491,200 B2	2/2009	Underwood et al.	606/32				
7,507,236 B2	3/2009	Eggers et al.	606/41				
7,527,624 B2	5/2009	Dubnack et al.	606/41				
7,572,251 B1	8/2009	Davison et al.	604/500				
7,632,267 B2	12/2009	Dahla	606/41				
7,678,069 B1	3/2010	Baker et al.	604/22				
7,691,101 B2	4/2010	Davison et al.	606/41				
7,704,249 B2	4/2010	Woloszko et al.	606/48				
7,708,733 B2	5/2010	Sanders et al.	606/41				
7,862,560 B2	1/2011	Marion	606/34				
2002/0029036 A1	3/2002	Goble et al.	606/38				
2002/0042612 A1	4/2002	Hood et al.	606/50				
2002/0151882 A1	10/2002	Marko et al.	606/28				
2002/0183739 A1	12/2002	Long	606/41				
2003/0013986 A1	1/2003	Saadat	600/549				
2003/0014045 A1	1/2003	Russell	606/41				
2003/0014047 A1	1/2003	Woloszko et al.	606/41				
2003/0088245 A1	5/2003	Woloszko et al.	606/41				
2003/0130655 A1	7/2003	Woloszko et al.	606/45				
2003/0158545 A1	8/2003	Hovda et al.	606/32				

FOREIGN PATENT DOCUMENTS

DE	3930451 A1	3/1991
EP	423757	3/1996
EP	0703461 A2	3/1996
EP	0740926 A2	11/1996
EP	0754437 A2	1/1997
EP	0694290 B1	11/2000
EP	1334699	8/2003
EP	1428480	6/2004
EP	1707147	10/2006
FR	2313949	1/1977
GB	467502	6/1937
GB	2160102	12/1985
GB	2299216	9/1996
GB	2 308 979	7/1997
GB	2 308 980	7/1997
GB	2 308 981	7/1997
GB	2 327 350	1/1999
GB	2 327 351	1/1999
GB	2 327 352	1/1999
GB	2333455	7/1999
GB	2406793	4/2005
JP	57-57802	4/1982
JP	57-117843	7/1982
WO	90/03152	4/1990
WO	90/07303	7/1990
WO	92/21278	12/1992
WO	93/13816	7/1993
WO	93/20747	10/1993
WO	94/04220	3/1994
WO	94/08654	4/1994
WO	94/10921	5/1994
WO	94/26228	11/1994
WO	95/34259	12/1995
WO	96/00040	1/1996
WO	96/00042	1/1996

WO	96/39086	12/1996
WO	97/00646	1/1997
WO	97/00647	1/1997
WO	97/18768	5/1997
WO	97/24073	7/1997
WO	97/24074	7/1997
WO	97/24993	7/1997
WO	97/24994	7/1997
WO	97/43971	11/1997
WO	97/48345	12/1997
WO	97/48346	12/1997
WO	98/07468	2/1998
WO	98/26724	6/1998
WO	98/27879	7/1998
WO	98/27880	7/1998
WO	99/20213	4/1999
WO	99/51155	10/1999
WO	99/51158	10/1999
WO	99/56648	11/1999
WO	00/000098	1/2000
WO	00/009053	2/2000
WO	01/24720	4/2001
WO	01/87154	5/2001
WO	01/95819	12/2001
WO	02/102255	2/2002
WO	02/36028	5/2002
WO	03/024305	3/2003
WO	03/092477	11/2003
WO	2004/026150	4/2004
WO	2004/071278	8/2004
WO	2005/125287	12/2005
WO	2007/006000	1/2007
WO	2007/056729	5/2007

OTHER PUBLICATIONS

BiLAP Generator Settings, Jun. 1991.

BiLAP IFU 910026-001 Rev A for BiLAP Model 3525, J-Hook, 4 pgs, May 20, 1991.

BiLAP IFU 910033-002 Rev A for BiLAP Model 3527, L-Hook; BiLAP Model 3525, J-Hook; BiLAP Model 3529, High Angle, 2 pgs, Nov. 30, 1993.

Codman & Shurtleff, Inc. "The Malis Bipolar Coagulating and Bipolar Cutting System CMC-II" brochure, early, 2 pgs, 1991.

Codman & Shurtleff, Inc. "The Malis Bipolar Electrosurgical System CMC-III Instruction Manual", 15 pgs, Jul. 1991.

Cook et al., "Therapeutic Medical Devices: Application and Design", Prentice Hall, Inc., 3pgs, 1982.

Dennis et al. "Evolution of Electrofulguration in Control of Bleeding of Experimental Gastric Ulcers," Digestive Diseases and Sciences, vol. 24, No. 11, 845-848, Nov. 1979.

Dobbie, A.K., "The Electrical Aspects of Surgical Diathermy, Bio Medical Engineering" *Bio-Medical Engineering* vol. 4, pp. 206-216, May 1969.

Elsasser, V.E. et al., "An Instrument for Transurethral Resection without Leakage of Current" *Acta Medico Technica* vol. 24, No. 4, pp. 129-134, 1976.

Geddes, "Medical Device Accidents: With Illustrative Cases" CRC Press, 3 pgs, 1998.

Honig, W., "The Mechanism of Cutting in Electrosurgery" *IEEE* pp. 58-65, 1975.

Kramolowsky et al. "The Urological App of Electrosurgery" *J. of Urology* vol. 146, pp. 669-674, 1991.

Kramolowsky et al. "Use of 5F Bipolar Electrosurgical Probe in Endoscopic Urological Procedures" *J. of Urology* vol. 143, pp. 275-277, 1990.

Lee, B et al. "Thermal Compression and Molding of Artherosclerotic Vascular Tissue with Use" *JACC* vol. 13(5), pp. 1167-1171, 1989.

Letter from Department of Health to Jerry Malis dated Jan. 24, 1991, 3 pgs.

Letter from Department of Health to Jerry Malis dated Jul. 25, 1985, 1 pg.

Letter from Jerry Malis to FDA dated Jul. 25, 1985, 2 pgs.

Lu, et al., "Electrical Thermal Angioplasty: Catheter Design Features, In Vitro Tissue Ablation Studies and In Vitro Experimental Findings," *Am J. Cardiol* vol. 60, pp. 1117-1122, Nov. 1, 1987.

Malis, L., "Electrosurgery, Technical Note," *J. Neurosurg.*, vol. 85, pp. 970-975, Nov. 1996.

Malis, L., "Excerpted from a seminar by Leonard I. Malis, M.D. at the 1995 American Association of Neurological Surgeons Meeting," 1pg, 1995.

Malis, L., "Instrumentation for Microvascular Neurosurgery" *Cerebrovascular Surgery*, vol. 1, pp. 245-260, 1985.

Malis, L., "New Trends in Microsurgery and Applied Technology," *Advanced Technology in Neurosurgery*, pp. 1-16, 1988.

Malis, L., "The Value of Irrigation During Bipolar Coagulation" See ARTC 21602, 1 pg, Apr. 9, 1993.

Nardella, P.C., *SPIE* 1068: pp. 42-49, Radio Frequency Energy and Impedance Feedback, 1989.

O'Malley, Schaum's Outline of Theory and Problems of Basic Circuit Analysis, McGraw-Hill, 2nd Ed., pp. 3-5, 1992.

Olsen MD, Bipolar Laparoscopic Cholecystectomy Lecture (marked confidential), 12 pgs, Oct. 7, 1991.

Pearce, John A. "Electrosurgery", pp. 17, 69-75, 87, John Wiley & Sons, New York, 1986.

Pearce, John A., "Electrosurgery", Handbook of Biomedical Engineering, chapter 3, Academic Press Inc., N.Y., pp. 98-113, 1988.

Piercey et al., "Electrosurgical Treatment of Experimental Bleeding Canine Gastric Ulcers" *Gastroenterology* vol. 74(3), pp. 527-534, 1978.

Protell et al., "Computer-Assisted Electrocoagulation: Bipolar v. Monopolar in the Treatment of Experimental Canine Gastric Ulcer Bleeding," *Gastroenterology* vol. 80, No. 3, pp. 451-455, 1981.

Ramsey et al., "A Comparison of Bipolar and Monopolar Diathermy Probes in Experimental Animals", *Urological Research* vol. 13, pp. 99-102, 1985.

Selikowitz et al., "Electric Current and Voltage Recordings on the Myocardium During Electrosurgical Procedures in Canines," *Surgery, Gynecology & Obstetrics*, vol. 164, pp. 219-224, Mar. 1987.

Shuman, "Bipolar Versus Monopolar Electrosurgery: Clinical Applications," *Dentistry Today*, vol. 20, No. 12, 7 pgs, Dec. 2001.

Slager et al. "Spark Erosion of Arteriosclerotic Plaques" *Z. Kardiol.* 76:Suppl. 6, pp. 67-71, 1987.

Slager et al. "Vaporization of Atherosclerotic Plaques by Spark Erosion" *JACC* 5(6): pp. 1382-1386, Jun. 1985.

Stoffels, E. et al., "Investigation on the Interaction Plasma-Bone Tissue", E-MRS Spring Meeting, 1 pg, Jun. 18-21, 2002.

Stoffels, E. et al., "Biomedical Applications of Plasmas", Tutorial presented prior to the 55th Gaseous Electronics Conference in Minneapolis, MN, 41 pgs, Oct. 14, 2002.

Stoffels, E. et al., "Plasma Interactions with Living Cells", Eindhoven University of Technology, 1 pg, 2002.

Stoffels, E. et al., "Superficial Treatment of Mammalian Cells using Plasma Needle", *J. Phys. D: Appl. Phys.* 26, pp. 2908-2913, Nov. 19, 2003.

Stoffels, E. et al., "Plasma Needle", Eindhoven University of Technology, 1 pg, Nov. 28, 2003.

Stoffels, E. et al., "Plasma Physicists Move into Medicine", Physicsweb, 1 pg, Nov. 2003.

Stoffels, E. et al., "Plasma Treated Tissue Engineered Skin to Study Skin Damage", Biomechanics and Tissue Engineering, Materials Technology, 1 pg, 2003.

Tucker et al. "The interaction between electrosurgical generators, endoscopic electrodes, and tissue," *Gastrointestinal Endoscopy*, vol. 38, No. 2, pp. 118-122, 1992.

Valley Forge Scientific Corp., "Summary of Safety and Effective Information from 510K", 2pgs, 1991.

Valley Forge's New Products, *Clinica*, 475, 5, Nov. 6, 1991.

Valleylab SSE2L Instruction Manual, 11 pgs, Jan. 6, 1983.

Valleylab, Inc. "Valleylab Part No. 945 100 102 A" Surgistat Service Manual, pp. 1-46, Jul. 1988.

Wattiez, Arnaud et al., "Electrosurgery in Operative Endoscopy," *Electrosurgical Effects*, Blackwell Science, pp. 85-93, 1995.

Wyeth, "Electrosurgical Unit" pp. 1181-1202, 2000.

Buchelt, et al. "Excimer Laser Ablation of Fibrocartilage: An In Vitro and In Vivo Study", *Lasers in Surgery and Medicine*, vol. 11, pp. 271-279, 1991.

- Costello et al., "Nd: YAG Laser Ablation of the Prostate as a Treatment for Benign Prostatic Hypertrophy", *Lasers in Surgery and Medicine*, vol. 12, pp. 121-124, 1992.
- O'Neill et al., "Percutaneous Plasma Discectomy Stimulates Repair in Injured Porcine Intervertebral Discs", Dept. of Orthopaedic Surgery, Dept. of Radiology University of California at San Francisco, CA, 3 pgs No date.
- Rand et al., "Effect of Electrocautery on Fresh Human Articular Cartilage", *J. Arthro. Surg.*, vol. 1, pp. 242-246, 1985.
- European Examination Report for EP 02773432 4 pgs, Sep. 22, 2009.
- European Examination Report for EP 05024974 4 pgs, Dec. 5, 2008.
- European Examination Report for EP 04708664 7 pgs, Sep. 7, 2009.
- European Examination Report for EP 02749601.7 4 pgs, Dec. 2, 2009.
- European Examination Report 2 for EP 04708664 5 pgs, May 3, 2010.
- European Search Report for EP 02773432 3 pgs, Dec. 19, 2008.
- European Search Report for EP 04708664.0 5 pgs, Apr. 6, 2009.
- European Search Report for EP 98953859, 2 pgs, Jul. 2, 2001.
- Suppl European Search Report for EP 98953859, 3 pgs, Oct. 18, 2001.
- Extended European Search Report for EP09152846, 8 pgs, Jan. 5, 2010.
- European Search Report for EP 99945039.8, 3 pgs, Oct. 1, 2001
- European Search Report for EP 09152850, 2 pgs, Dec. 29, 2009.
- PCT International Preliminary Examination Report for PCT/US02/19261, 3 pgs, Mar. 25, 2003.
- PCT International Search Report for PCT/US02/19261, 1 pg, Mailed Sep. 18, 2002.
- PCT International Search Report for PCT/US02/29476, 1 pg, Mailed May 24, 2004.
- PCT International Search Report for PCT/US03/13686, 1 pg, Mailed Nov. 25, 2003.
- PCT International Search Report for PCT/US04/03614, 1 pg, Mailed Sep. 14, 2004.
- PCT International Search Report for PCT/US98/22323, 1 pg, Mailed Mar. 3, 1999.
- PCT International Search Report for PCT/US99/14685, 1 pg, Mailed Oct. 21, 1999.
- PCT International Search Report for PCT/US99/18289, 1 pg, Mailed Dec. 7, 1999.
- PCT Notification of International Preliminary Examination Report for PCT/US98/22323, 5 pgs, Mailed Nov. 28, 2000.
- PCT Notification of International Preliminary Examination Report for PCT/US99/14685, 4 pgs, Mailed Feb. 20, 2001.
- PCT Notification of International Preliminary Examination Report for PCT/US99/18289, 4 pgs, Mailed Jul. 7, 2000.
- PCT Notification of International Search Report and Written Opinion for PCT/US06/26321, 8 pgs, Mailed Apr. 25, 2007.
- PCT Notification of the International Search Report and Written Opinion for PCT/US06/60618, 7 pgs, Mailed Oct. 5, 2007.
- PCT Notification of the International Search Report and Written Opinion for PCT/US07/69856, 7 pgs, Mailed Jun. 5, 2008.
- PCT Written Opinion of the International Searching Authority for PCT/US04/03614, 4 pgs, Mailed Sep. 14, 2004.
- UK Search Report for GB0800129.9 2 pgs, May 8, 2008.
- UK Search Report for GB0805062.7 1 pg, Jul. 16, 2008.
- UK Search Report for GB0900604.0 4 pgs, May 15, 2009.
- Slager et al., "Electrical nerve and Muscle Stimulation by Radio Frequency Surgery: Role of Direct Current Loops Around the Active Electrode", *IEEE Transactions on Biomedical Engineering*, vol. 40, No. 2, pp. 182-187, Feb. 1993.
- PCT Notification of the International Search Report and Written Opinion for PCT/US2011/033784 11 pgs, Mailed Jul. 18, 2011.
- PCT Notification of the International Search Report and Written Opinion for PCT/US2011/033761 11 pgs, Mailed Jul. 22, 2011.
- Stoffels, E. et al., "Plasma Treatment of Dental Cavities: A Feasibility Study", *IEEE Transaction on Plasma Science*, vol. 32, No. 4, pp. 1540-1542, Aug. 2004.
- Stoffels, E. et al., "The Effects of UV Irradiation and Gas Plasma Treatment on Living Mammalian Cells and Bacteria: A Comparative Approach", *IEEE Transaction on Plasma Science*, vol. 32, No. 4, pp. 1544-1550, Aug. 2004.
- Stoffels, E. et al., "Electrical and Optical Characterization of the Plasma Needle", *New Journal of Physics* 6, pp. 1-14, Oct. 28, 2004.
- Stoffels, E. et al., "Where Plasma Meets Plasma", *Eindhoven University of Technology*, 23 pgs, 2004.
- Stoffels, E. et al., "Gas Plasma effects on Living Cells", *Physica Scripta*, T107, pp. 79-82, 2004.
- Stoffels, E. et al., "Plasma Treatment of Mammalian Vascular Cells: A Quantitative Description", *IEEE Transaction on Plasma Science*, vol. 33, No. 2, pp. 771-775, Apr. 2005.
- Stoffels, E. et al., "Deactivation of *Escherichia Coli* by the Plasma Needle", *J. Phys. D: Appl. Phys.* 38, pp. 1716-1721, May 20, 2005.
- Stoffels, E. et al., "Development of a Gas Plasma Catheter for Gas Plasma Surgery", XXVIIth ICPIG, Endoven University of Technology, pp. 18-22, Jul. 2005.
- Stoffels, E. et al., "Development of a Smart Positioning Sensor for the Plasma Needle", *Plasma Sources Sci. Technol.* 15, pp. 582-589, Jun. 27, 2006.
- Stoffels, E. et al., Killing of *S. Mutans* Bacteria Using a Plasma Needle at Atmospheric Pressure, *IEEE Transaction on Plasma Science*, vol. 34, No. 4, pp. 1317-1324, Aug. 2006.
- Stoffels, E. et al., "Plasma-Needle Treatment of Substrates with Respect to Wettability and Growth of *Excherichia Coli* and *Streptococcus Mutans*", *IEEE Transaction on Plasma Science*, vol. 34, No. 4, pp. 1325-1330, Aug. 2006.
- Stoffels, E. et al., "Reattachment and Apoptosis after Plasma-Needle Treatment of Cultured Cells", *IEEE Transaction on Plasma Science*, vol. 34, No. 4, pp. 1331-1336, Aug. 2006.
- Stoffels, E. et al., "UV Excimer Lamp Irradiation of Fibroblasts: The Influence on Antioxidant Homostasis", *IEEE Transaction on Plasma Science*, vol. 34, No. 4, pp. 1359-1364, Aug. 2006.
- Stoffels, E. et al., "Plasma Needle for In Vivo Medical Treatment: Recent Developments and Perspectives", *Plasma Sources Sci. Technol.* 15, pp. S169-S180, Oct. 6, 2006.
- Swain, C.P., et al., "Which Electrode, A Comparison of four endoscopic methods of electrocoagulation in experimental bleeding ulcers" *Gut* vol. 25, pp. 1424-1431, 1987.
- Tucker, R. et al., Abstract P14-11, p. 248, "A Bipolar Electrosurgical Turp Loop", Nov. 1989.
- Tucker, R. et al. "A Comparison of Urologic Application of Bipolar Versus Monopolar Five French Electrosurgical Probes" *J. of Urology* vol. 141, pp. 662-665, 1989.
- Tucker, R. et al. "In vivo effect of 5 French Bipolar and Monopolar Electrosurgical Probes on the Porcine Bladder" *Urological Research* vol. 18, pp. 291-294, 1990.
- Tucker, R. et al., "Demodulated Low Frequency Currents from Electrosurgical Procedures," *Surgery, Gynecology and Obstetrics*, 159:39-43, 1984.

* cited by examiner

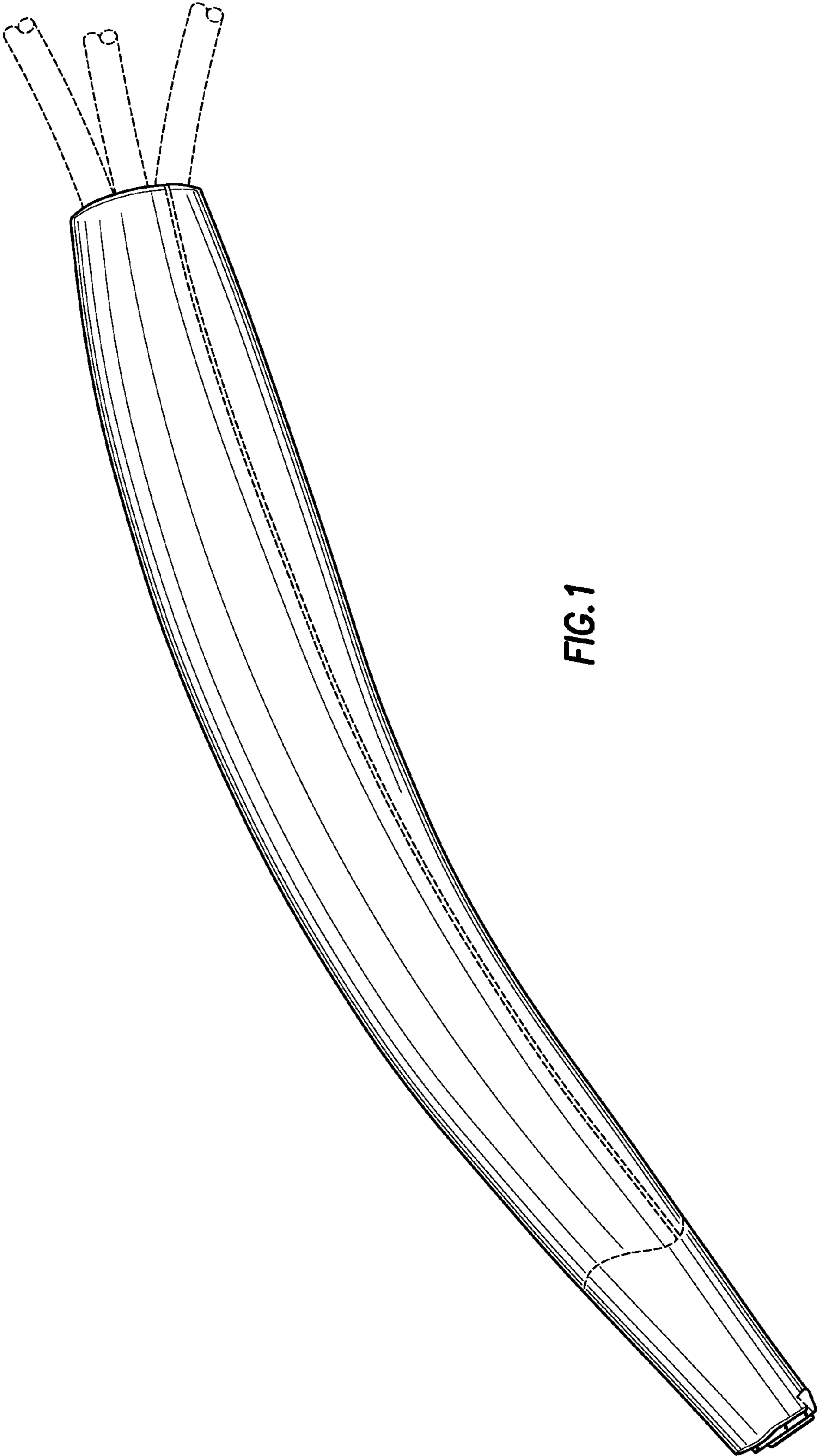


FIG. 1

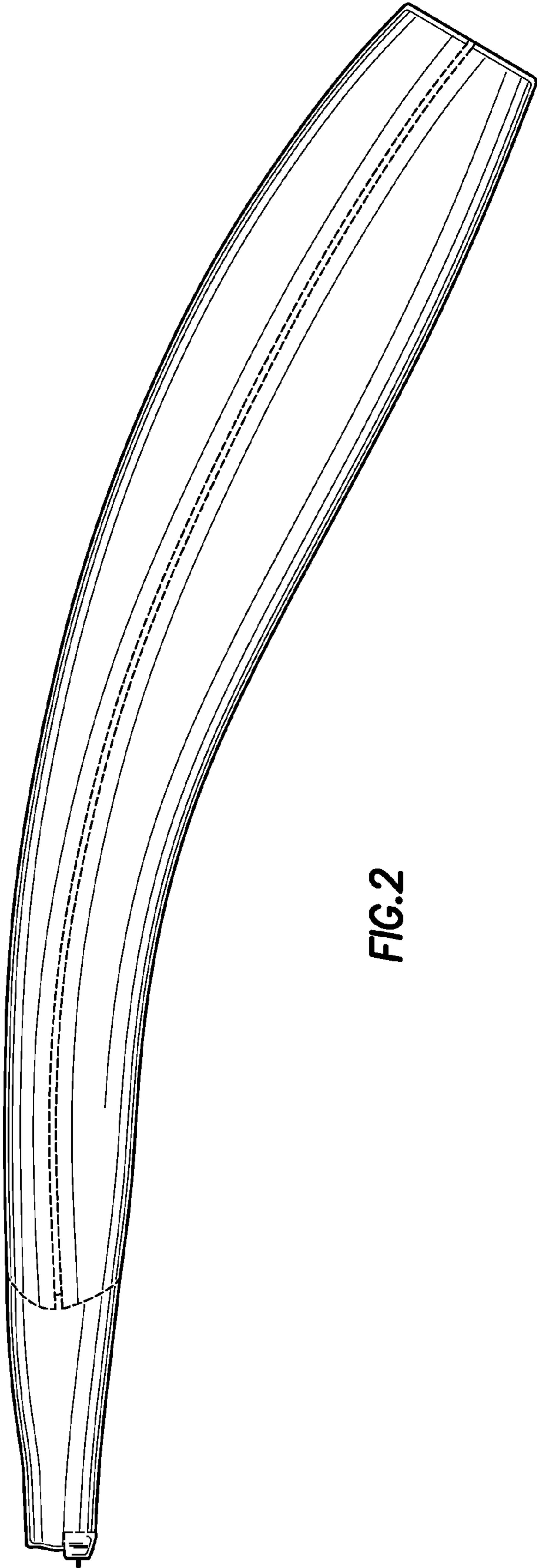


FIG.2

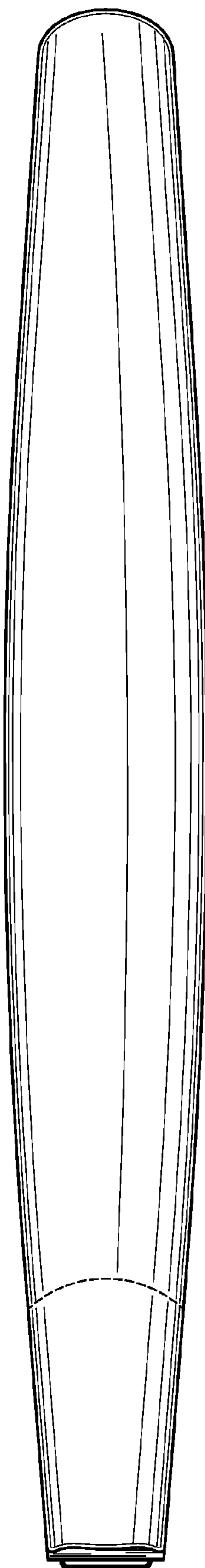


FIG. 3

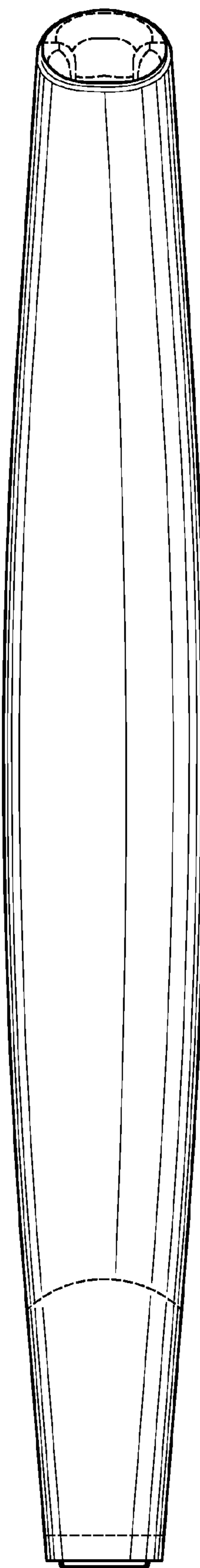


FIG. 4

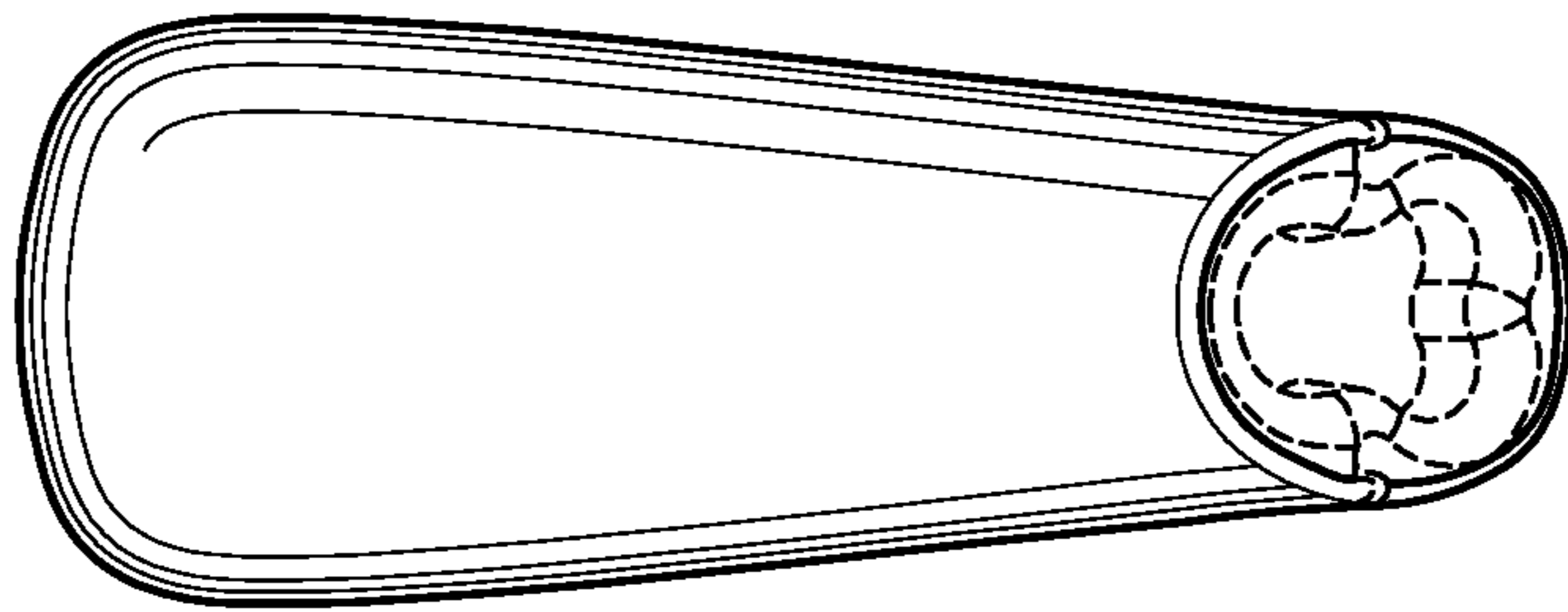


FIG. 6

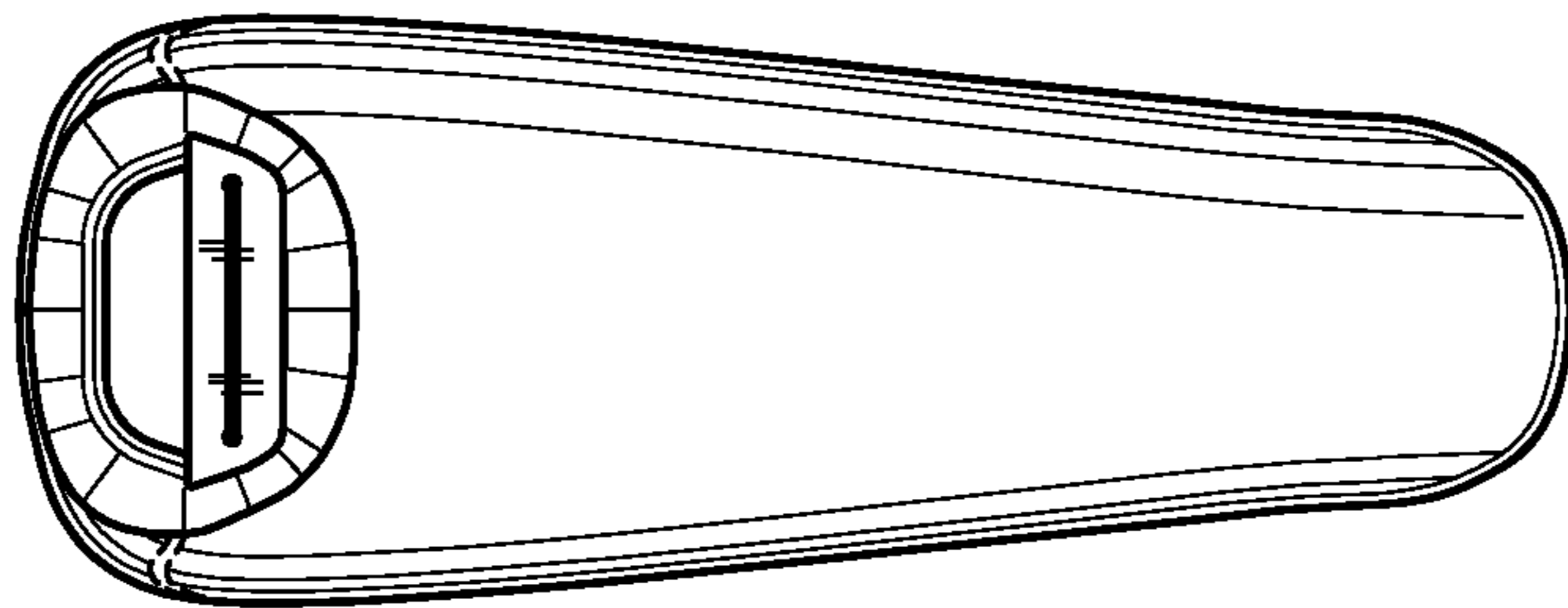


FIG. 5

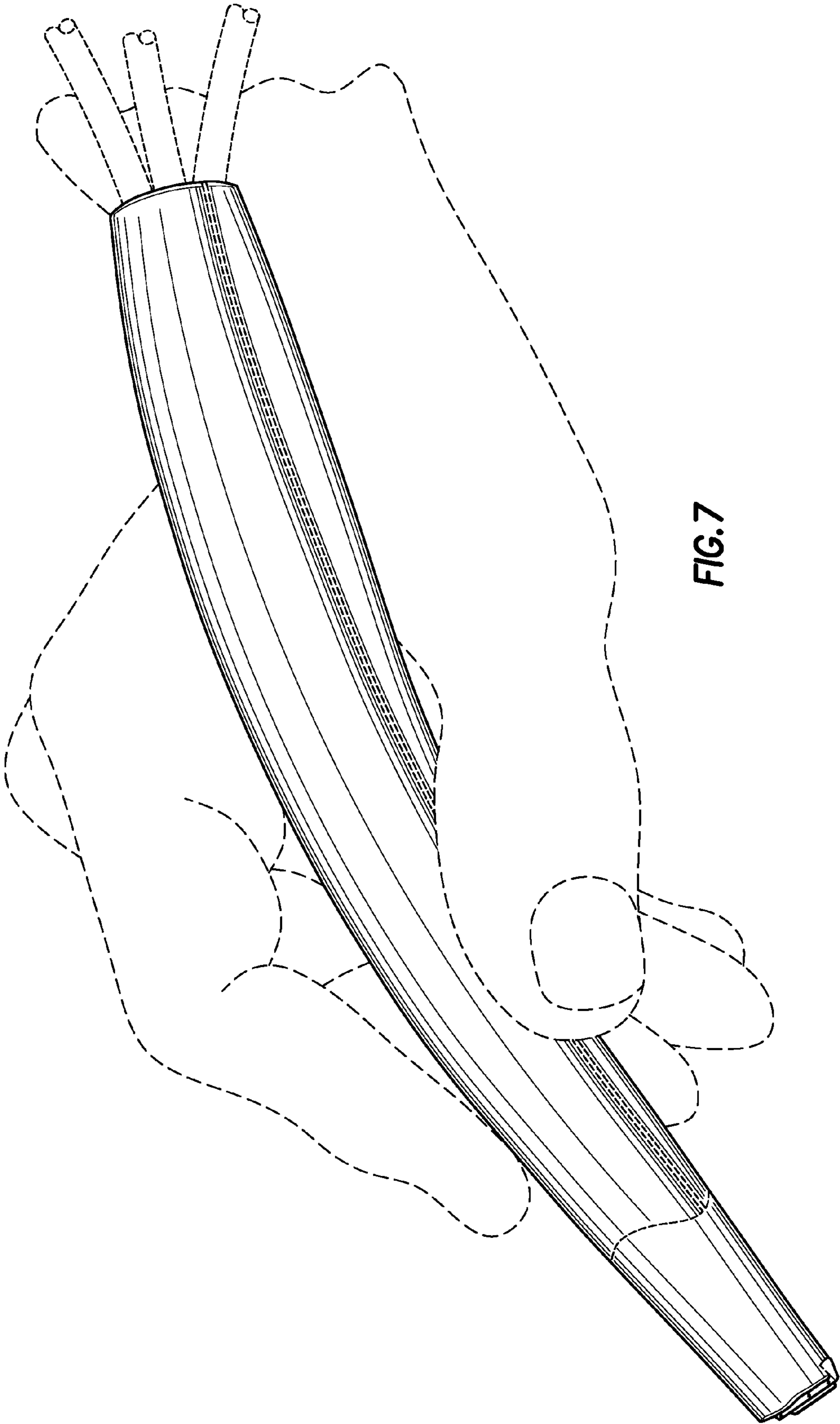


FIG. 7

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : D658,760 S
APPLICATION NO. : 29/377008
DATED : May 1, 2012
INVENTOR(S) : David A. Cox et al.

Page 1 of 1

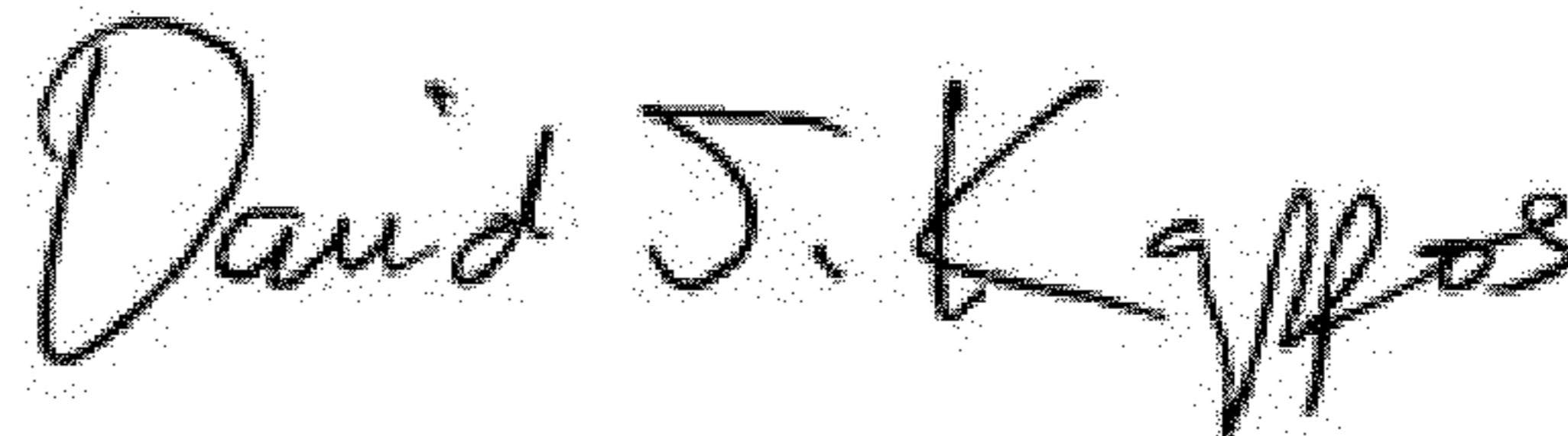
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Front page of Patent, in the Description:

“FIG. 7 is a front perspective view” should be changed to --FIG. 7 is a front perspective view of--;

“The broken lines shown portions” should be changed to --The broken lines shown in portions--.

Signed and Sealed this
Second Day of October, 2012

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive, slightly slanted style.

David J. Kappos
Director of the United States Patent and Trademark Office