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

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(54) **MEDICAL DILATOR**

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(73) Assignee: **Scapa Flow, LLC**, Midland, TX (US)

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

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Related U.S. Application Data

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

(52) **U.S. Cl.** **D24/135**

(58) **Field of Classification Search** D24/133, D24/134, 135, 136, 137, 138, 139, 140, 141, D24/142, 143, 146, 150, 152, 144, 145, 147, D24/148, 149, 151, 153, 154, 127, 128, 129, D24/130, 107-108, 112, 111, 200; D23/233, D23/235; D8/40, 47, 57, 60, 67, 68, 69, D8/80, 82, 83, 84, 93, 94, 97, 107, 72, 73, D8/74, 52, 56; 600/184, 220-223, 224, 225-227, 600/201-203, 210-218; 606/7, 86 A, 86 B, 606/119, 129, 186; 81/9.22; 604/48
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

609,909	A *	8/1898	Seaman	.....	401/97
719,487	A	2/1903	Minor		
2,884,123	A *	4/1959	Dann et al.	.....	206/365
4,031,783	A *	6/1977	Paul et al.	.....	81/9.22
D247,512	S *	3/1978	Sandler	.....	D24/135
D264,824	S *	6/1982	Sandel	.....	D10/71
4,350,151	A *	9/1982	Scott	.....	600/225
4,449,532	A	5/1984	Storz		
4,573,448	A	3/1986	Kambin		
D295,445	S *	4/1988	Freeman	.....	D24/135
4,735,202	A *	4/1988	Williams	.....	606/167
4,772,266	A	9/1988	Groshong		

D300,561	S *	4/1989	Asa et al.	.....	D24/112
4,862,891	A	9/1989	Smith		
4,917,274	A *	4/1990	Asa et al.	.....	222/420
D318,116	S *	7/1991	Michelson	.....	D24/147
5,158,543	A	10/1992	Lazarus		
5,279,567	A	1/1994	Ciaglia et al.		
D344,903	S *	3/1994	Gampp et al.	.....	D10/78
D364,501	S *	11/1995	Gough	.....	D3/203.8
5,472,426	A	12/1995	Bonati et al.		
D387,427	S *	12/1997	Bucholz et al.	.....	D24/140
D393,715	S *	4/1998	Strickland	D24/133
5,741,290	A *	4/1998	Hsieh	606/186
5,976,146	A	11/1999	Ogawa et al.		

(Continued)

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(57) **CLAIM**

The ornamental design for a medical dilator, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a medical dilator in accordance with the present invention;

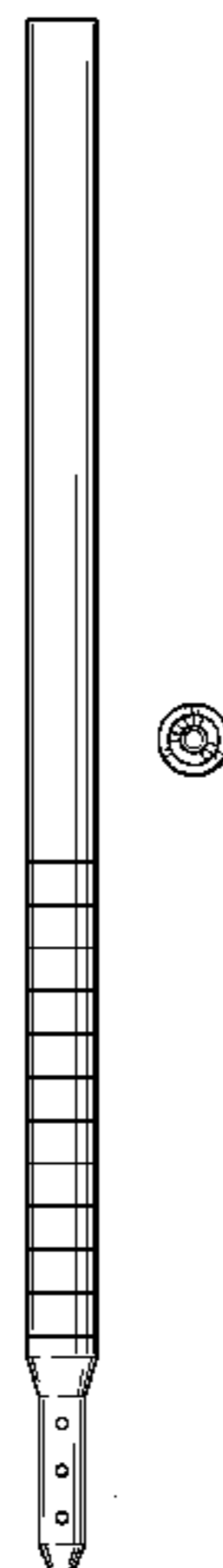
FIG. 2 is a front elevation view of the medical dilator shown in FIG. 1;

FIG. 3 is a top plan view of the medical dilator shown in FIG. 1; and,

FIG. 4 is a bottom plan view of the medical dilator shown in FIG. 1.

The interior contours, as shown in FIG. 3, follow the exterior contours visible throughout the views.

1 Claim, 1 Drawing Sheet



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U.S. PATENT DOCUMENTS

6,010,520	A	1/2000	Pattison						
6,425,859	B1	7/2002	Foley et al.						
6,776,765	B2 *	8/2004	Soukup et al.	600/585					
6,916,330	B2	7/2005	Simonson						
6,969,373	B2	11/2005	Schwartz et al.						
6,981,664	B1 *	1/2006	Fugere	239/591					
D518,178	S *	3/2006	Christiansen	D24/147					
D589,143	S *	3/2009	Mauch	D24/130					
					7,666,188	B2 *	2/2010	Anderson et al. 606/104	
					2002/0123744	A1 *	9/2002	Reynard	606/6
					2004/0122462	A1	6/2004	Bakos et al.	
					2005/0070949	A1	3/2005	Bakos et al.	
					2005/0256525	A1	11/2005	Culbert et al.	
					2006/0004398	A1	1/2006	Binder et al.	
					2007/0255208	A1	11/2007	McMichael et al.	
					2010/0094093	A1 *	4/2010	Miles et al.	600/202

* cited by examiner

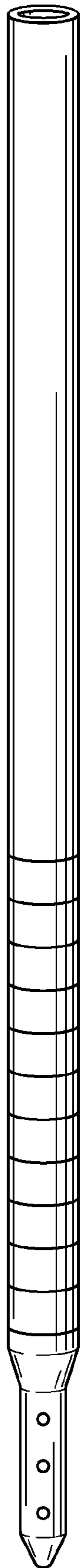


FIG. 1



FIG. 3

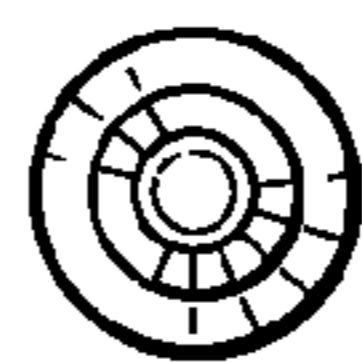


FIG. 4

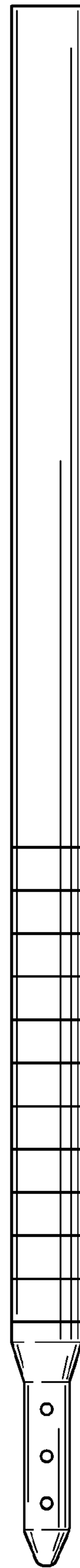


FIG. 2