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

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- (54) **FLEXIBLE SPINAL NEEDLE**
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Johnstown, NY (US)
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- (51) **LOC (9) Cl.** ..... **24-02**
- (52) **U.S. Cl.** ..... **D24/130; D24/112**
- (58) **Field of Classification Search** ..... D24/130,  
D24/112, 146, 147, 142; 604/263, 192, 240,  
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604/508, 168.01, 177, 110, 171  
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

1,867,624 A *	7/1932	Hoffman	.....	600/567
D138,589 S *	8/1944	Brandenburg	.....	D24/114
3,175,554 A *	3/1965	Stewart	.....	600/567
3,943,225 A	3/1976	Koehn		
4,106,506 A	8/1978	Koehn, deceased et al.		
D269,549 S *	6/1983	Gross	.....	D24/112
4,504,268 A	3/1985	Herlitz		
4,553,960 A	11/1985	Lazarus		
4,808,157 A	2/1989	Coombs		
D302,589 S *	8/1989	McMenamy et al.	.....	D24/112
4,973,312 A	11/1990	Andrew		
4,994,036 A	2/1991	Biscopoping et al.		
5,100,390 A	3/1992	Lubeck et al.		
5,116,323 A	5/1992	Kreuzer et al.		
5,135,525 A	8/1992	Biscopoping et al.		
5,160,323 A	11/1992	Andrew		
5,250,035 A	10/1993	Smith et al.		
D353,454 S *	12/1994	Coombs	.....	D24/112

D353,668 S *	12/1994	Banks et al.	.....	D24/112
5,382,238 A	1/1995	Abrahamson et al.		
5,490,521 A *	2/1996	Davis et al.	.....	600/458
5,490,845 A	2/1996	Racz		
5,496,281 A *	3/1996	Krebs	.....	604/168.01
5,571,091 A *	11/1996	Davis et al.	.....	604/164.11
D378,405 S *	3/1997	Musgrave et al.	.....	D24/112
5,628,734 A *	5/1997	Hatfalvi	.....	604/272
5,669,882 A *	9/1997	Pyles	.....	604/170.03
5,810,788 A	9/1998	Racz		
5,871,470 A *	2/1999	McWha	.....	604/158
5,899,891 A	5/1999	Racz		
5,976,110 A	11/1999	Greengrass et al.		
5,993,436 A	11/1999	Kitou et al.		
6,131,433 A	10/2000	Nakada et al.		
6,190,372 B1	2/2001	Racz		
D471,980 S *	3/2003	Caizza	.....	D24/130
6,558,353 B2 *	5/2003	Zohmann	.....	604/158
RE39,499 E	2/2007	Racz		
D547,446 S	7/2007	Racz et al.		
D550,355 S	9/2007	Racz et al.		
7,413,562 B2 *	8/2008	Ferguson et al.	.....	604/263
2002/0099335 A1	7/2002	Zohmann		
2003/0094731 A1 *	5/2003	Simpson	.....	264/241
2003/0125675 A1 *	7/2003	Caizza et al.	.....	604/263
2005/0004563 A1	1/2005	Racz et al.		
2005/0033393 A1 *	2/2005	Daglow	.....	607/116
2005/0090801 A1	4/2005	Racz et al.		
2008/0065017 A1 *	3/2008	Racz et al.	.....	604/158
2008/0221516 A1 *	9/2008	Partika et al.	.....	604/110

\* cited by examiner

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(57) **CLAIM**

The ornamental design for a flexible spinal needle, as shown and described.

**DESCRIPTION**

FIG. 1 is a perspective view of a flexible spinal needle showing our new design;

FIG. 2 is a top view of the flexible spinal needle shown in FIG. 1;

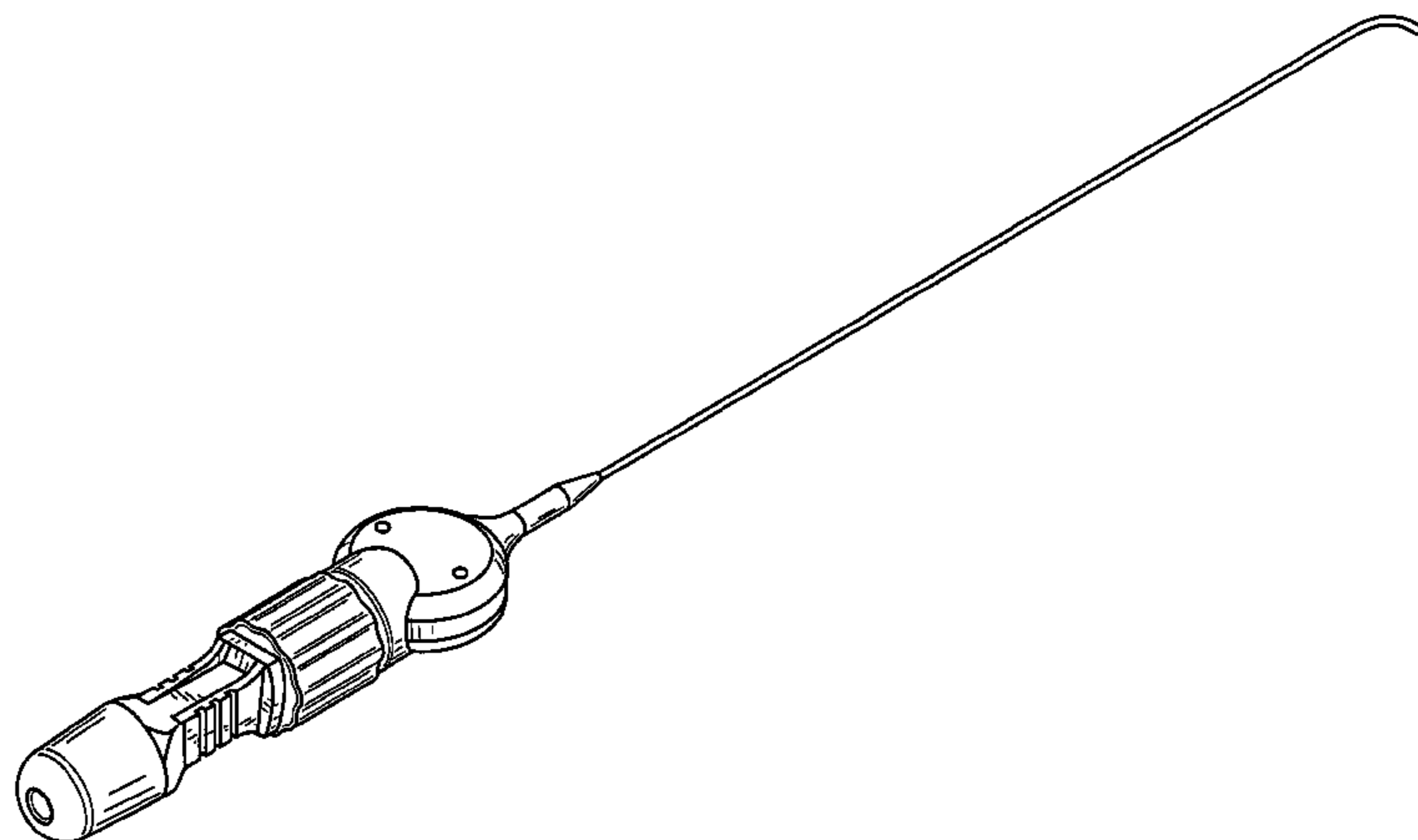


FIG. 3 is a bottom view of the flexible spinal needle shown in FIG. 1;

FIG. 4 is a side view of the flexible spinal needle shown in FIG. 1;

FIG. 5 is another side view of the flexible spinal needle shown in FIG. 1;

FIG. 6 is a rear view of the flexible spinal needle shown in FIG. 1; and,

FIG. 7 is a front view of the flexible spinal needle shown in FIG. 1.

**1 Claim, 2 Drawing Sheets**

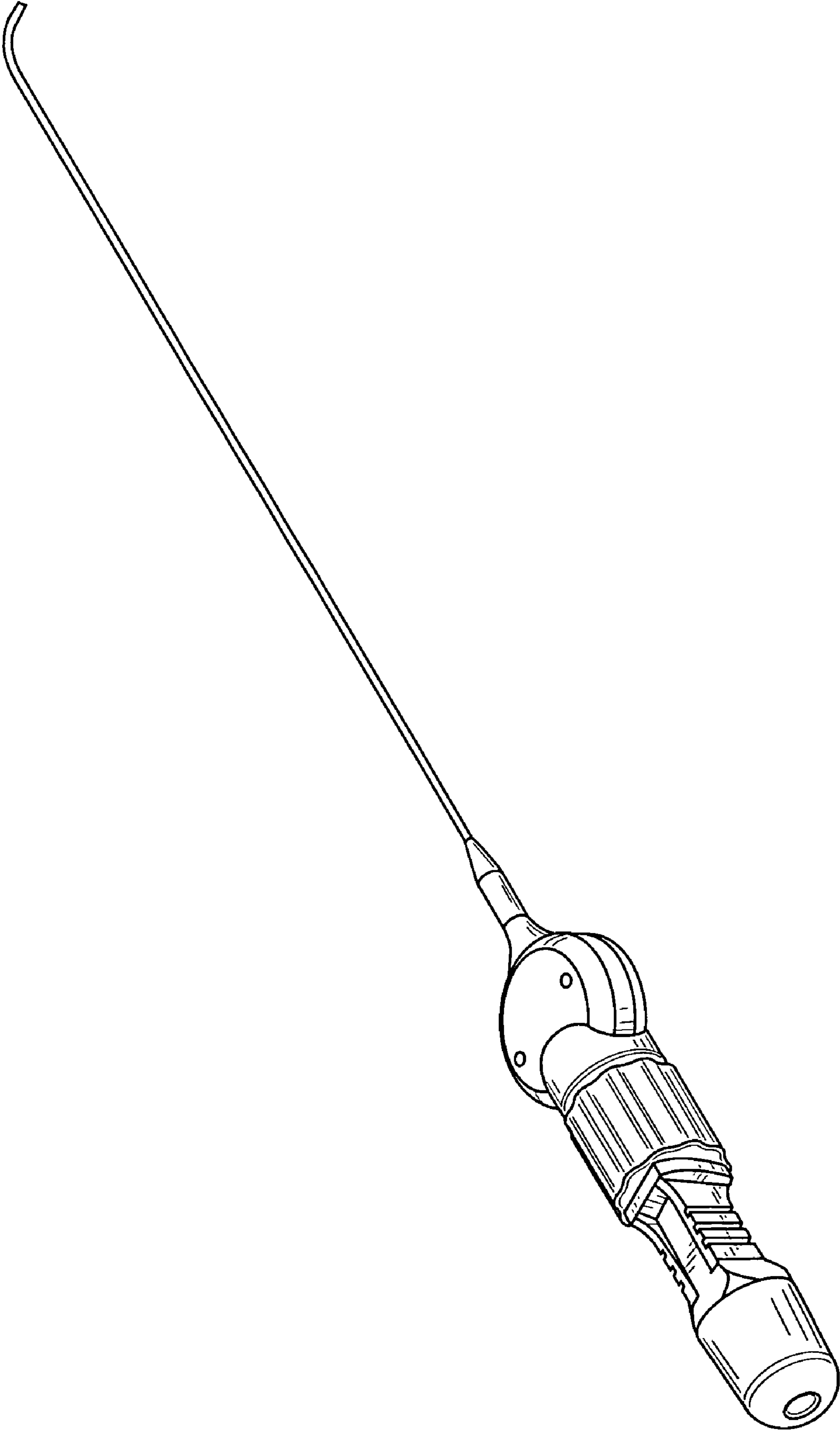


FIG. 1

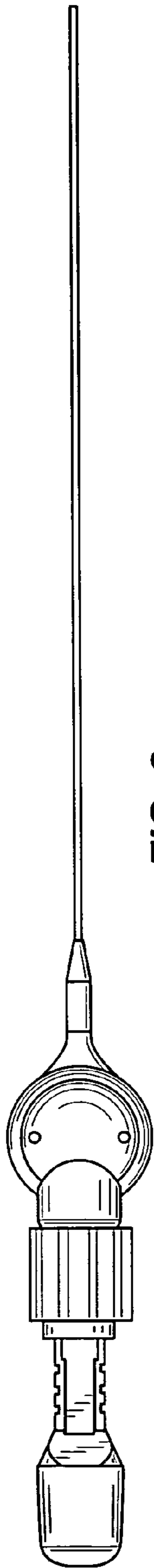


FIG. 2

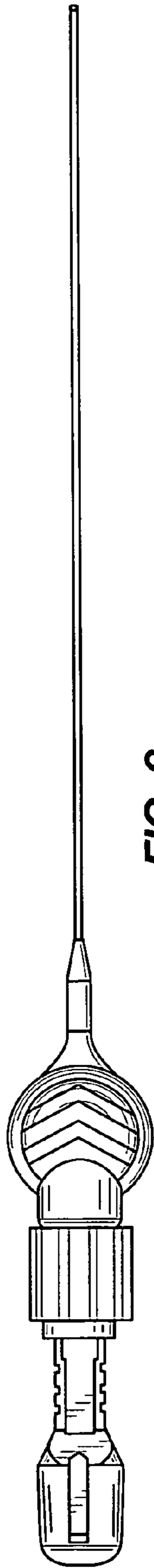


FIG. 3

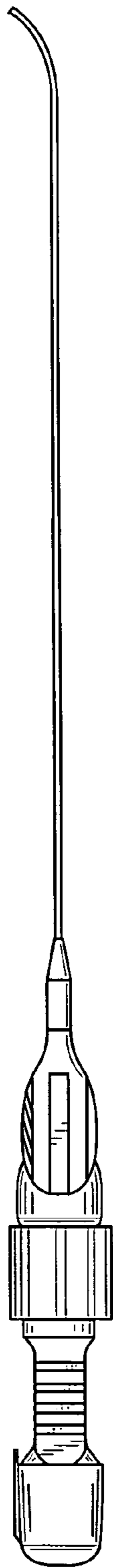


FIG. 4

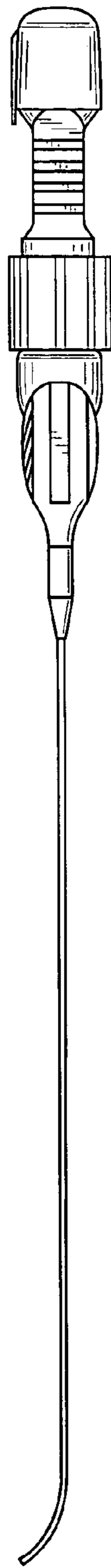


FIG. 5

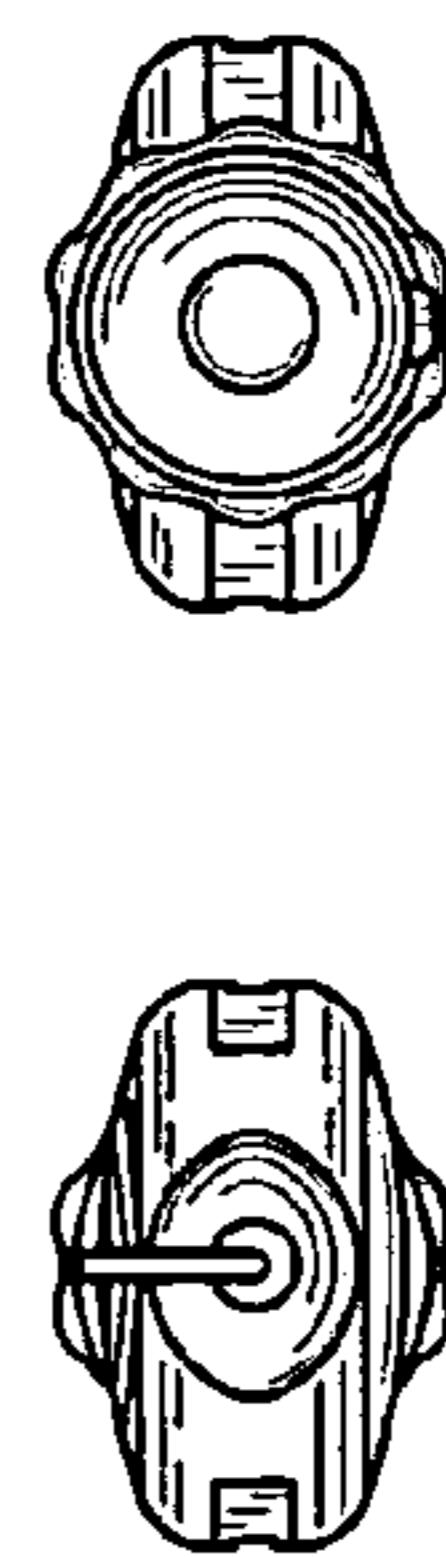


FIG. 6

FIG. 7