



US00D655406S

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

(10) **Patent No.:** **US D655,406 S**  
(45) **Date of Patent:** **\*\* Mar. 6, 2012**

(54) **VENTED FLUSHABLE CATHETER ASSEMBLY**

(75) Inventors: **Yiping Ma**, Layton, UT (US); **S. Ray Isaacson**, Roy, UT (US); **Marty L. Stout**, South Jordan, UT (US); **Weston F. Harding**, Lehi, UT (US); **Ralph L. Sonderegger**, Farmington, UT (US)

(73) Assignee: **Becton, Dickinson and Company**, Franklin Lakes, NJ (US)

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

(21) Appl. No.: **29/386,964**

(22) Filed: **Mar. 7, 2011**

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

(52) **U.S. Cl.** ..... **D24/112**

(58) **Field of Classification Search** ..... D24/112-114, D24/133, 186, 130, 127; 606/181, 185; 604/264, 167.01, 164.01-164.09, 533, 232, 604/187, 168.01, 192, 19, 48, 93.01, 523, 604/524, 526; 600/101, 139, 143; 128/200.24, 128/207.14, 207.15, DIG. 6

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,387,879 A	6/1983	Tauschinski	
4,449,693 A	5/1984	Gereg	
4,650,472 A *	3/1987	Bates	604/165.03
4,758,225 A	7/1988	Cox et al.	
4,842,591 A	6/1989	Luther	
4,874,377 A	10/1989	Newgard et al.	
4,917,668 A	4/1990	Haindl	
4,935,010 A	6/1990	Cox et al.	
5,041,097 A	8/1991	Johnson	
5,053,014 A	10/1991	Van Heugten	
5,062,836 A	11/1991	Wendell	
5,064,416 A	11/1991	Newgard et al.	
5,084,023 A	1/1992	Lemieux	
5,085,645 A	2/1992	Purdy et al.	
5,108,374 A	4/1992	Lemieux	
5,127,905 A	7/1992	Lemieux	
5,154,703 A	10/1992	Bonaldo	

5,156,596 A	10/1992	Balbierz et al.
5,234,410 A	8/1993	Graham et al.
5,295,969 A	3/1994	Fischell et al.
5,330,435 A	7/1994	Vaillancourt
5,350,363 A	9/1994	Goode et al.
5,352,205 A	10/1994	Dales et al.

(Continued)

**FOREIGN PATENT DOCUMENTS**

CA 2133053 A1 3/1995  
(Continued)

**OTHER PUBLICATIONS**

Silva, Elson, Email Regarding "Respecting Hydrology Science and IP Rights—US Pat. Application 20110130728," pp. 1-6, Jun. 2, 2011.

*Primary Examiner* — David Muller

(74) *Attorney, Agent, or Firm* — Mony R. Ghose; Kirton & McConkie

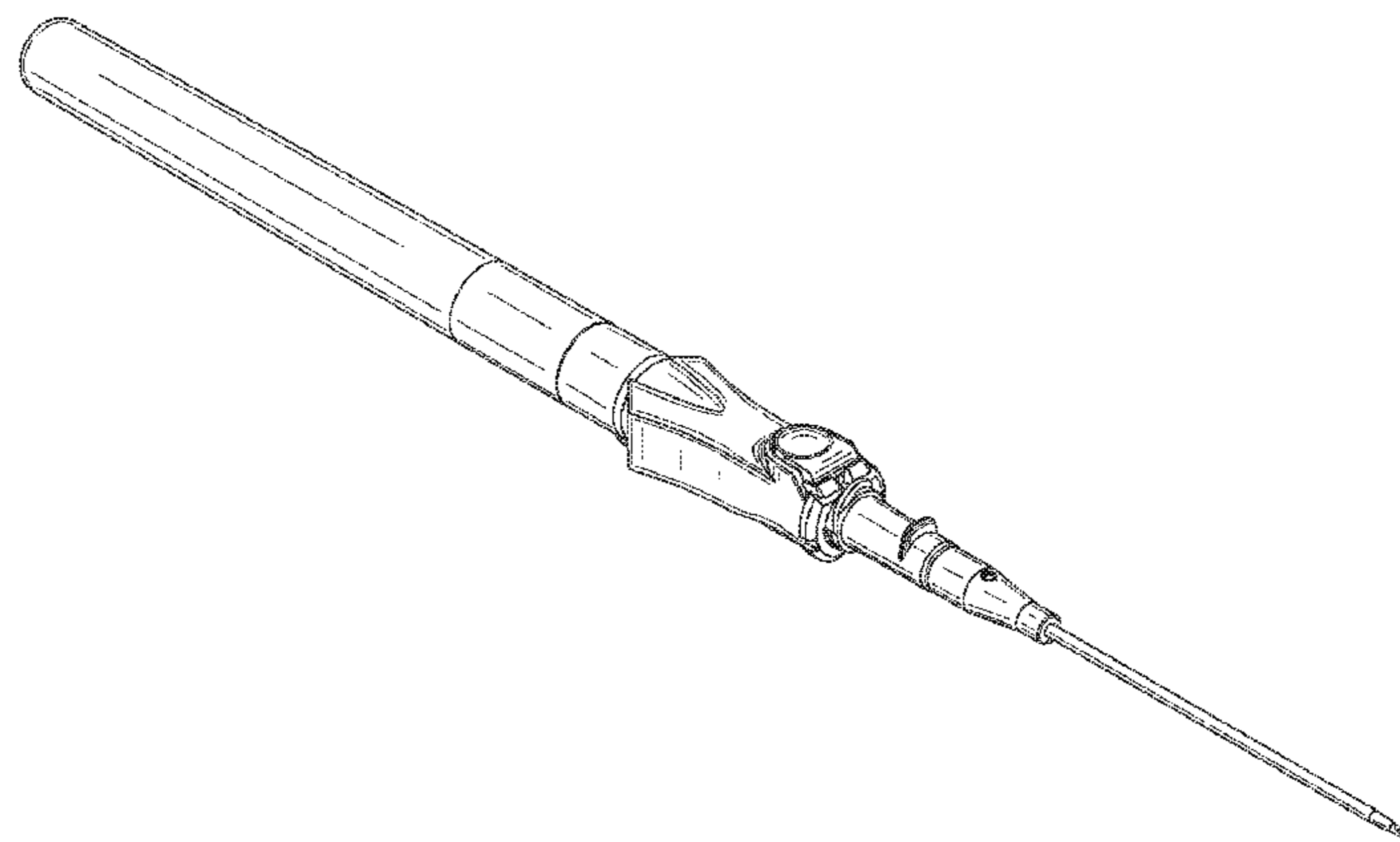
(57) **CLAIM**

The ornamental design for a vented flushable catheter assembly, as shown and described.

**DESCRIPTION**

FIG. 1 is a top, side and front perspective view of the vented flushable catheter assembly.  
FIG. 2 is a top view thereof.  
FIG. 3 is a left side view thereof.  
FIG. 4 is a right side view thereof.  
FIG. 5 is a bottom view thereof.  
FIG. 6 is an enlarged front view thereof.  
FIG. 7 is an enlarged rear view thereof.  
FIG. 8 is another top, side and front perspective view of the vented flushable catheter assembly further including wings.  
FIG. 9 is a top view thereof.  
FIG. 10 is a left side view thereof.  
FIG. 11 is a right side view thereof.  
FIG. 12 is a bottom view thereof.  
FIG. 13 is an enlarged front view thereof; and,  
FIG. 14 is an enlarged rear view thereof. The broken line showing of parts of the drawings is included for the purpose of illustrating use and environment and forms no part of the claimed design.

**1 Claim, 8 Drawing Sheets**



# US D655,406 S

Page 2

## U.S. PATENT DOCUMENTS

5,405,323	A	4/1995	Rogers et al.	
5,456,675	A	10/1995	Wolbring et al.	
5,487,728	A	1/1996	Vaillancourt	
5,520,666	A	5/1996	Choudhury et al.	
5,549,566	A	8/1996	Elias et al.	
5,549,577	A	8/1996	Siegel et al.	
5,575,769	A	11/1996	Vaillancourt	
5,613,663	A	3/1997	Schmidt et al.	
5,651,772	A	7/1997	Arnett	
5,657,963	A	8/1997	Hinchliffe et al.	
5,697,915	A	12/1997	Lynn	
5,738,144	A	4/1998	Rogers	
5,749,861	A	5/1998	Guala et al.	
D395,501	S *	6/1998	Erskine et al. ....	D24/112
5,806,831	A	9/1998	Paradis	
5,814,021	A *	9/1998	Balbierz .....	128/DIG. 6
5,817,069	A	10/1998	Arnett	
5,911,710	A	6/1999	Barry et al.	
5,954,698	A	9/1999	Pike	
5,967,490	A	10/1999	Pike	
6,039,302	A	3/2000	Cote, Sr. et al.	
6,077,244	A	6/2000	Botich et al.	
6,117,108	A	9/2000	Woehr et al.	
6,171,287	B1	1/2001	Lynn et al.	
D445,495	S *	7/2001	Schaefer et al. ....	D24/114
6,273,869	B1	8/2001	Vaillancourt	
6,485,473	B1	11/2002	Lynn	

6,575,960	B2	6/2003	Becker et al.	
6,595,981	B2	7/2003	Huet	
6,652,486	B2 *	11/2003	Bialecki et al. ....	604/164.08
6,699,221	B2	3/2004	Vaillancourt	
6,740,063	B2	5/2004	Lynn	
D492,031	S *	6/2004	Cindrich et al. ....	D24/130
D498,844	S *	11/2004	Diamond et al. ....	D24/130
6,883,778	B1	4/2005	Newton et al.	
7,008,404	B2	3/2006	Nakajima	
7,347,839	B2	3/2008	Hiejima	
7,396,346	B2	7/2008	Nakajima	
7,470,254	B2	12/2008	Basta et al.	
D601,243	S *	9/2009	Bierman et al. ....	D24/112
7,736,339	B2	6/2010	Woehr et al.	
7,736,342	B2 *	6/2010	Abriles et al. ....	604/192
D624,643	S *	9/2010	Bierman et al. ....	D24/112
D630,729	S *	1/2011	Bierman et al. ....	D24/112
7,914,494	B2	3/2011	Hiejima	
D640,785	S *	6/2011	Lee .....	D24/112
D643,531	S *	8/2011	van der Weiden .....	D24/133
2007/0083162	A1	4/2007	O'Reagan et al.	
2008/0039796	A1	2/2008	Nakajima	
2008/0108944	A1	5/2008	Woehr et al.	
2010/0204675	A1	8/2010	Woehr et al.	

## FOREIGN PATENT DOCUMENTS

WO            WO 99/34849            7/1999

\* cited by examiner

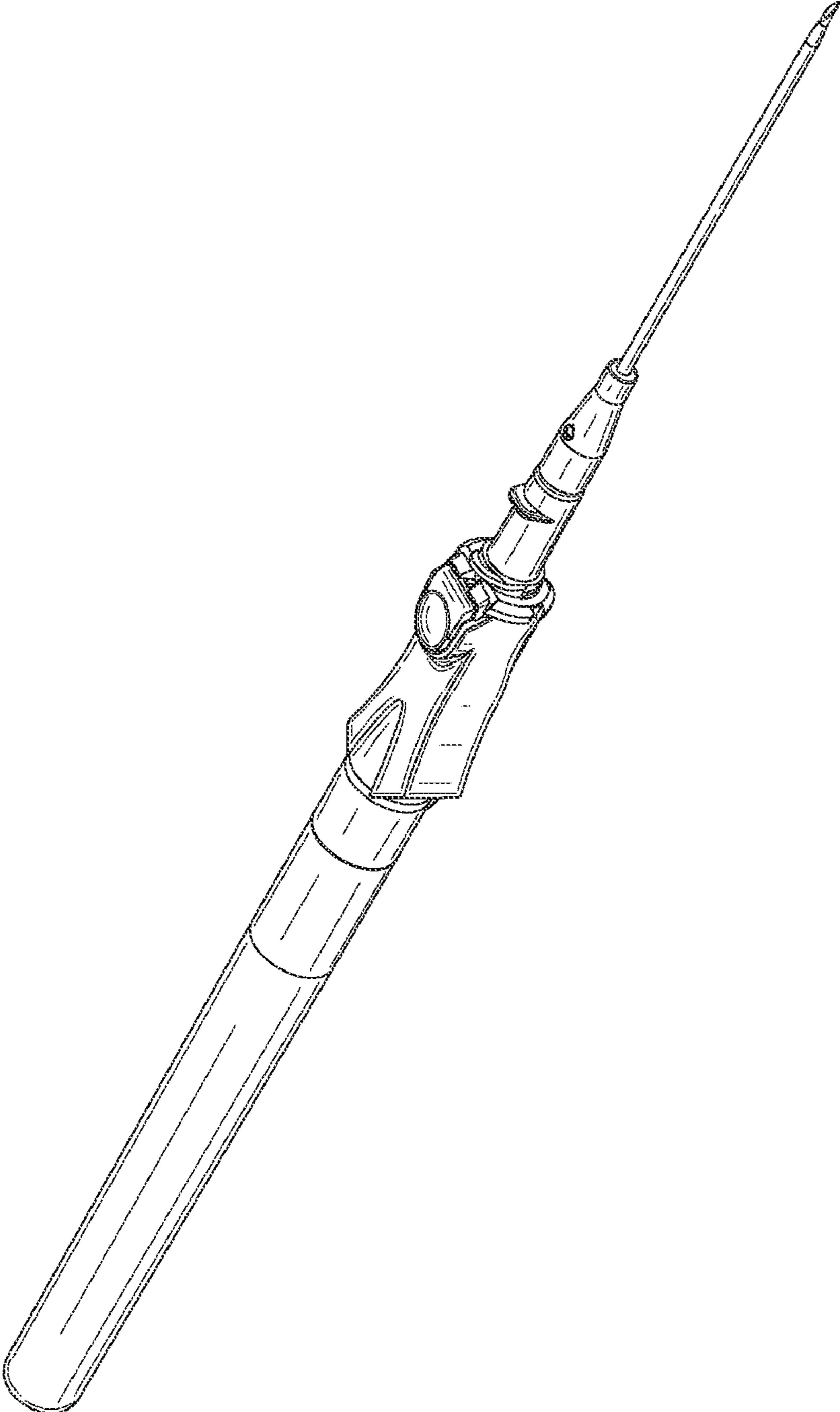


FIG. 1

FIG. 2

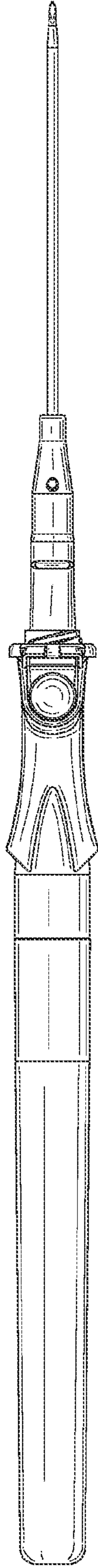


FIG. 3

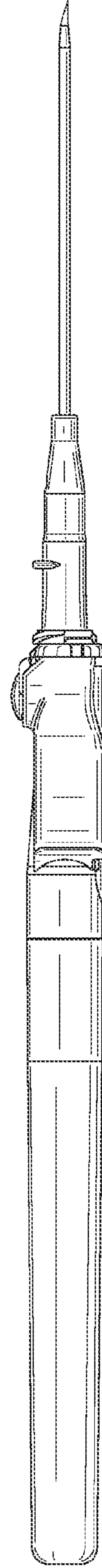


FIG. 4

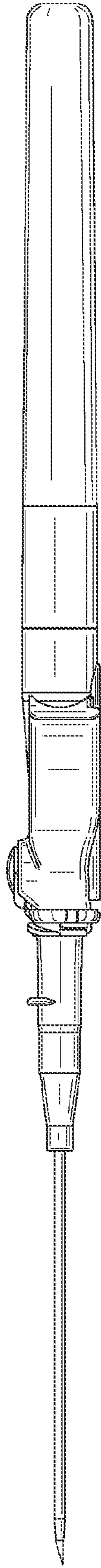


FIG. 5

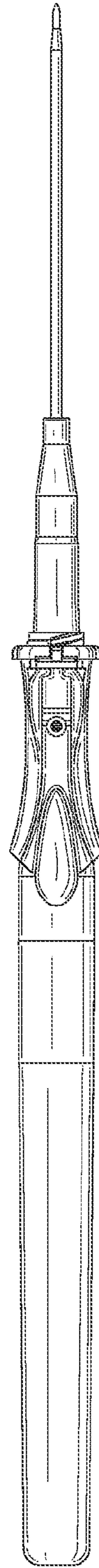


FIG. 7

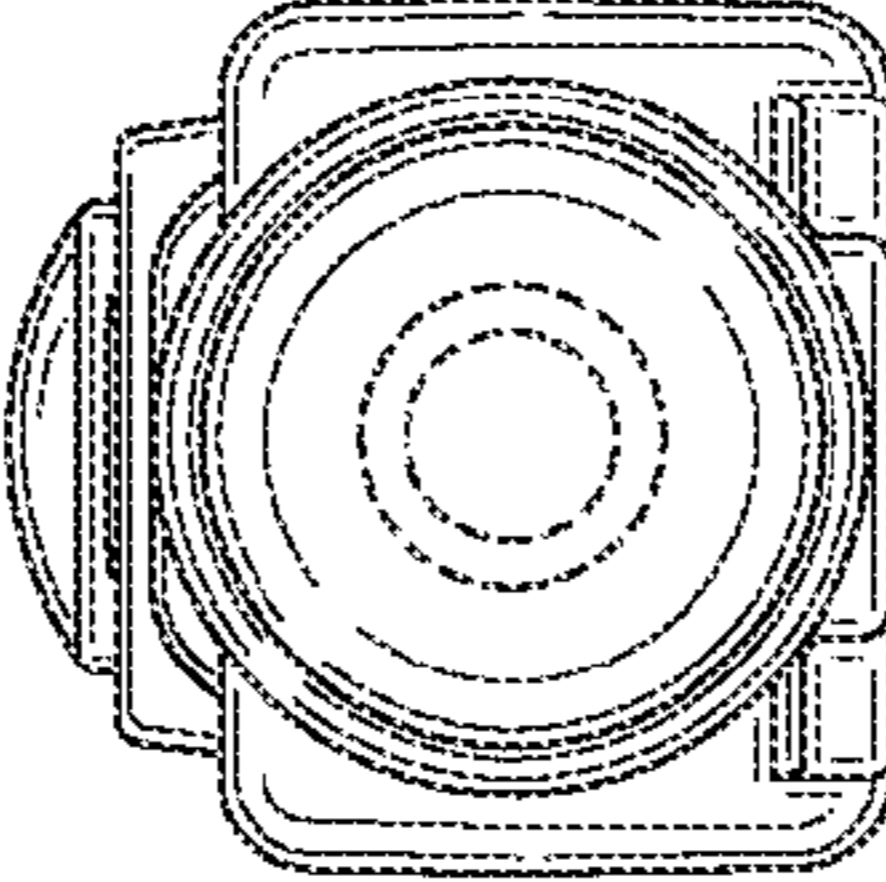
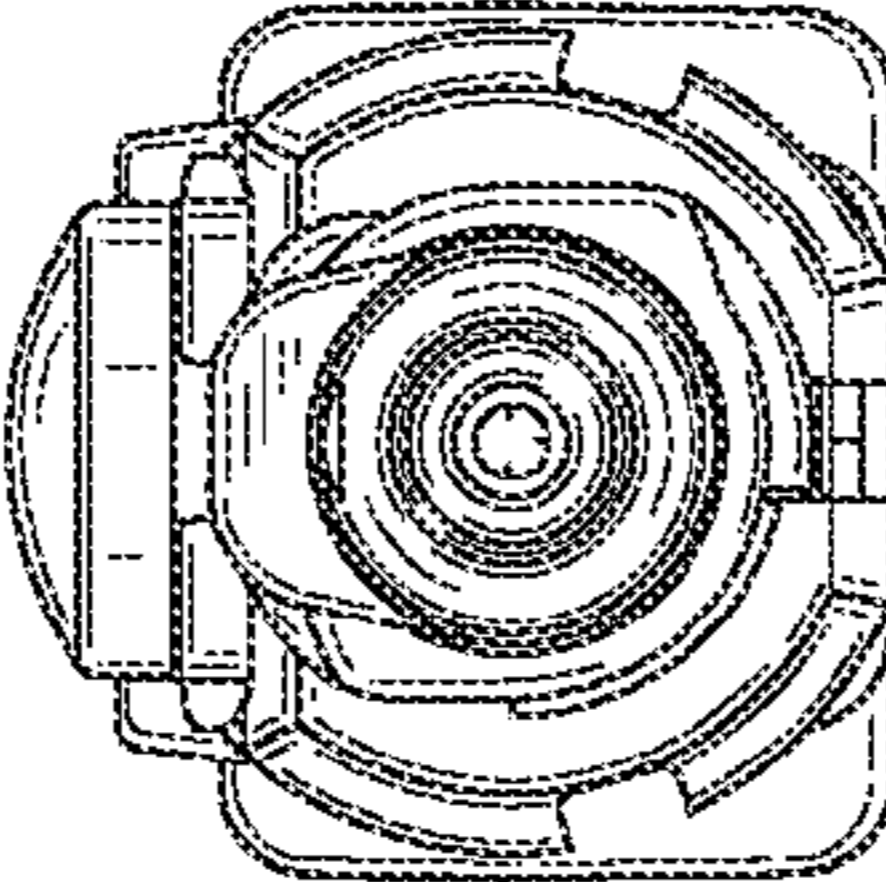


FIG. 6



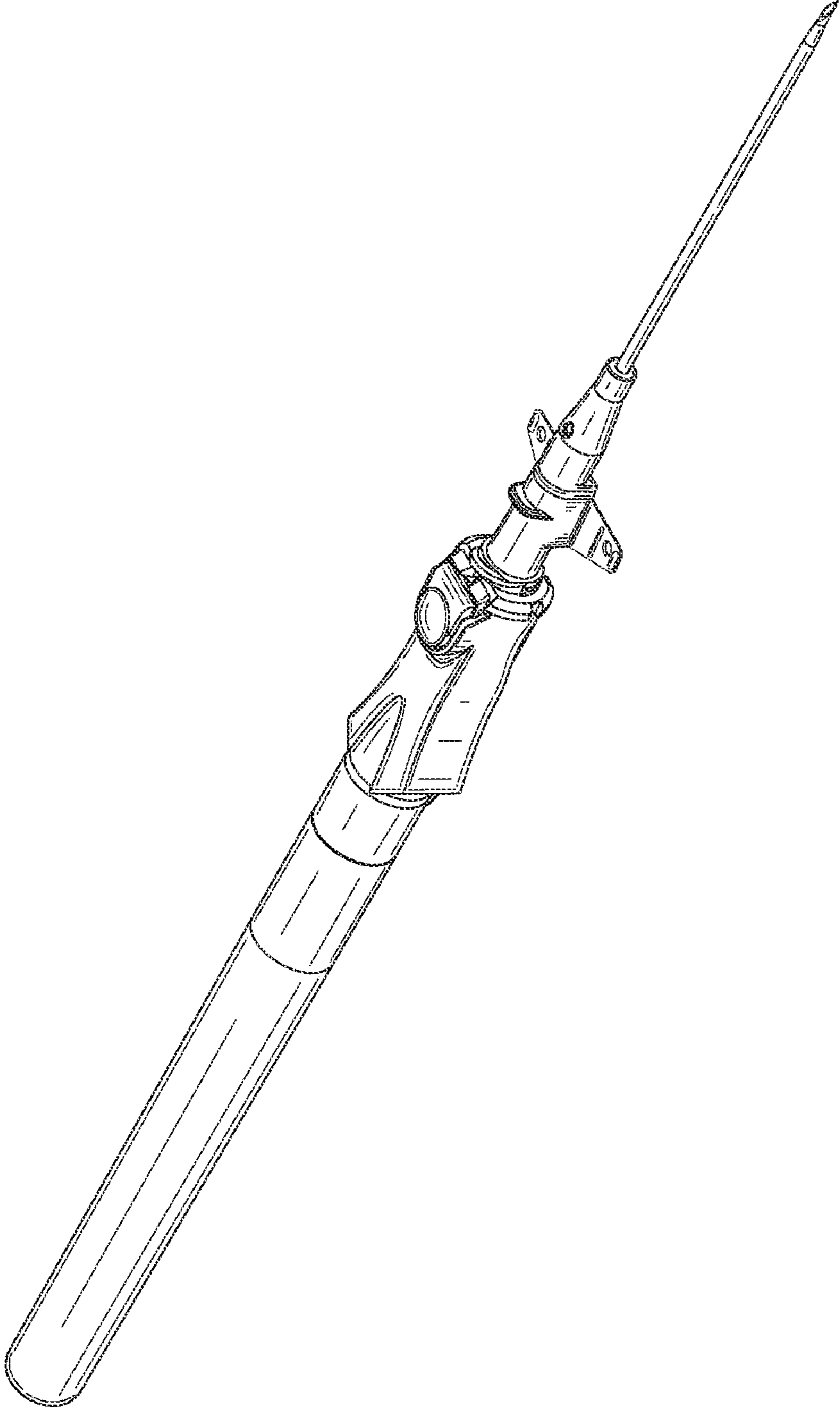


FIG. 8

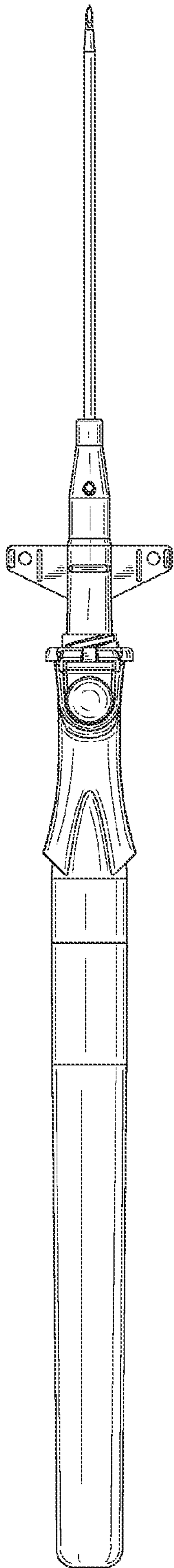


FIG. 9

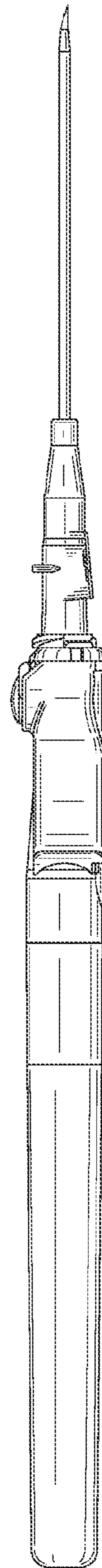


FIG. 10





FIG. 11

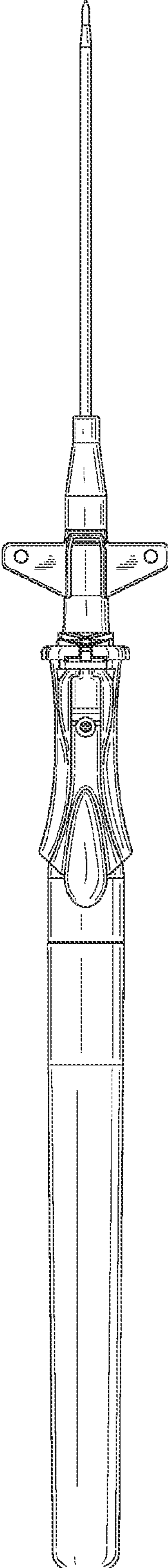


FIG. 12

FIG. 13

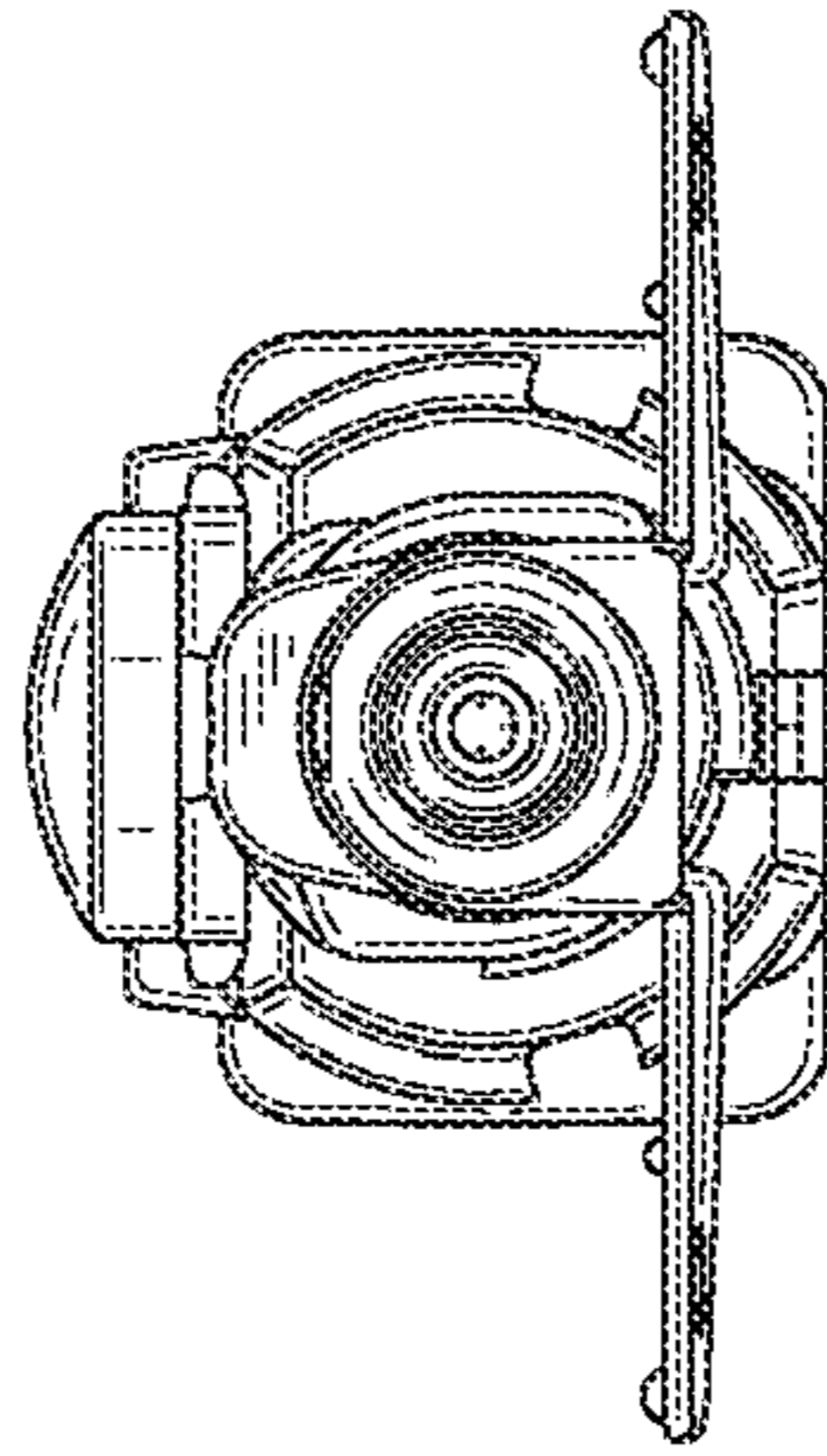


FIG. 14

