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

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(54) **ELECTRICAL CONNECTOR**

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

(21) Appl. No.: **29/392,033**

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**Related U.S. Application Data**

(62) Division of application No. 12/896,360, filed on Oct.  
1, 2010.

(51) **LOC (9) Cl.** ..... **13-03**

(52) **U.S. Cl.**  
USPC ..... **D13/147**

(58) **Field of Classification Search**  
USPC ..... D13/107, 133, 146, 147, 154, 184, 199;  
439/180, 246, 252, 278, 314-322, 374,  
439/378, 380, 381, 527, 529, 530, 533, 578,  
439/584-585, 668, 680, 892, 894  
See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,915,643 A \* 4/1990 Samejima et al. .... 439/357  
D327,872 S \* 7/1992 McMills et al. .... D13/133

D334,173 S \* 3/1993 Liu et al. .... D13/133  
D445,092 S \* 7/2001 Lee ..... D13/146  
D445,764 S \* 7/2001 Lee ..... D13/146  
6,338,657 B1 1/2002 Harper et al.  
D490,059 S \* 5/2004 Conway et al. .... D13/146  
2008/0194137 A1\* 8/2008 Kuo ..... 439/489

**OTHER PUBLICATIONS**

International Search Report dated Aug. 26, 2011; International  
Application No. PCT/US2010/051787.

Ethicon Endo-Surgery, Inc., "Advancing Smooth Surgery, Har-  
monic," DSL #04-11041, Brochure, pp. 1-2, Nov. 2004.

\* cited by examiner

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(57) **CLAIM**

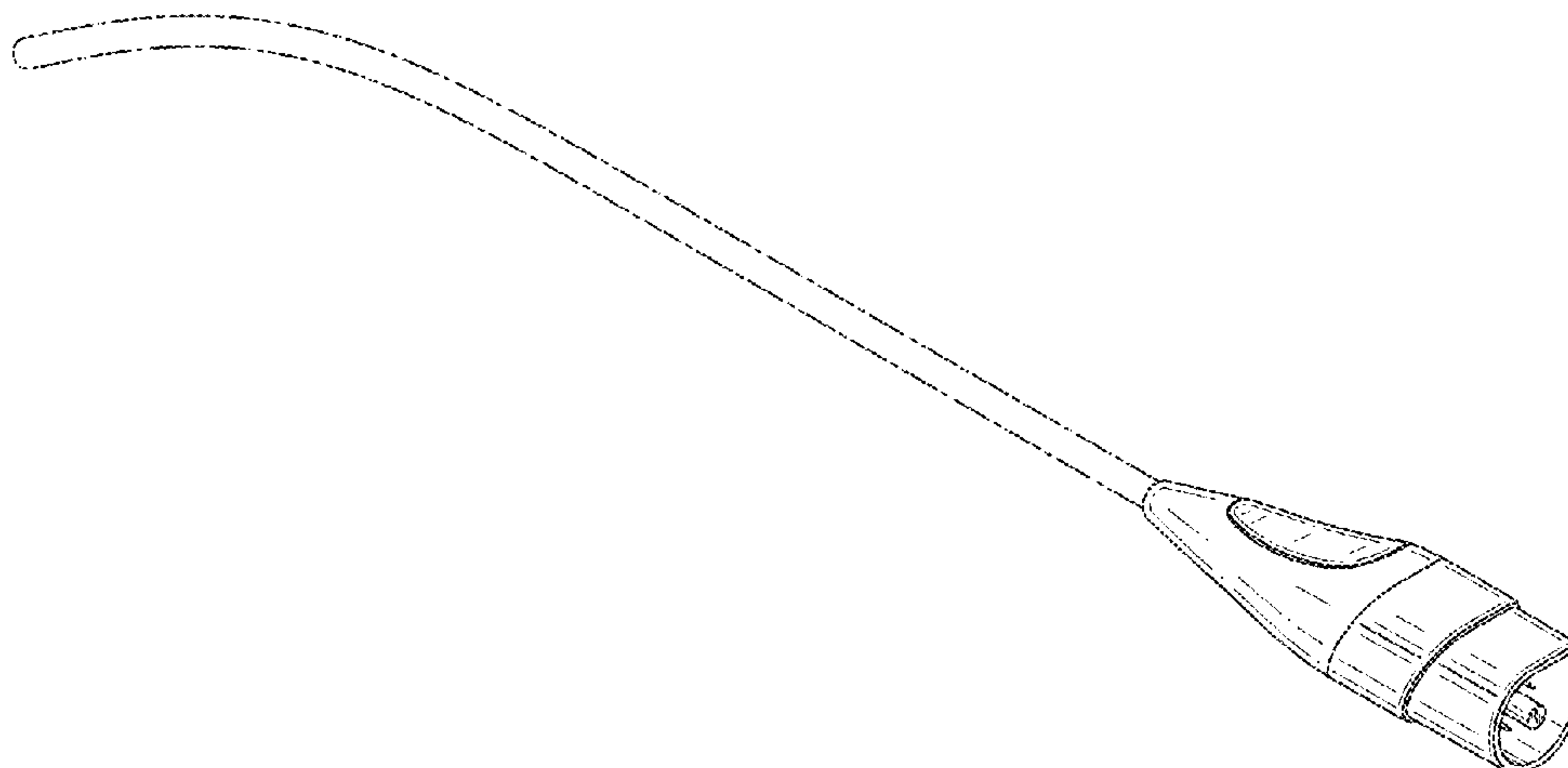
The ornamental design for an electrical connector, as shown  
and described.

**DESCRIPTION**

This present application claims the priority benefit of U.S.  
patent application, Ser. No. 12/896,360, filed on Oct. 1, 2010,  
the contents of which are incorporated by reference herein.  
FIG. 1 is a top, front and right side perspective view of an  
electrical connector showing our new design;  
FIG. 2 is a top plan view thereof;  
FIG. 3 is a right side elevation view thereof;  
FIG. 4 is a bottom plan view thereof;  
FIG. 5 is a left side elevation view thereof;  
FIG. 6 is a front elevation view thereof; and,  
FIG. 7 is rear elevation view thereof.

The broken lines showing portions of an electrical connector  
assembly are included for the purpose of illustrating environ-  
mental structure and form no part of the claimed design.

**1 Claim, 6 Drawing Sheets**



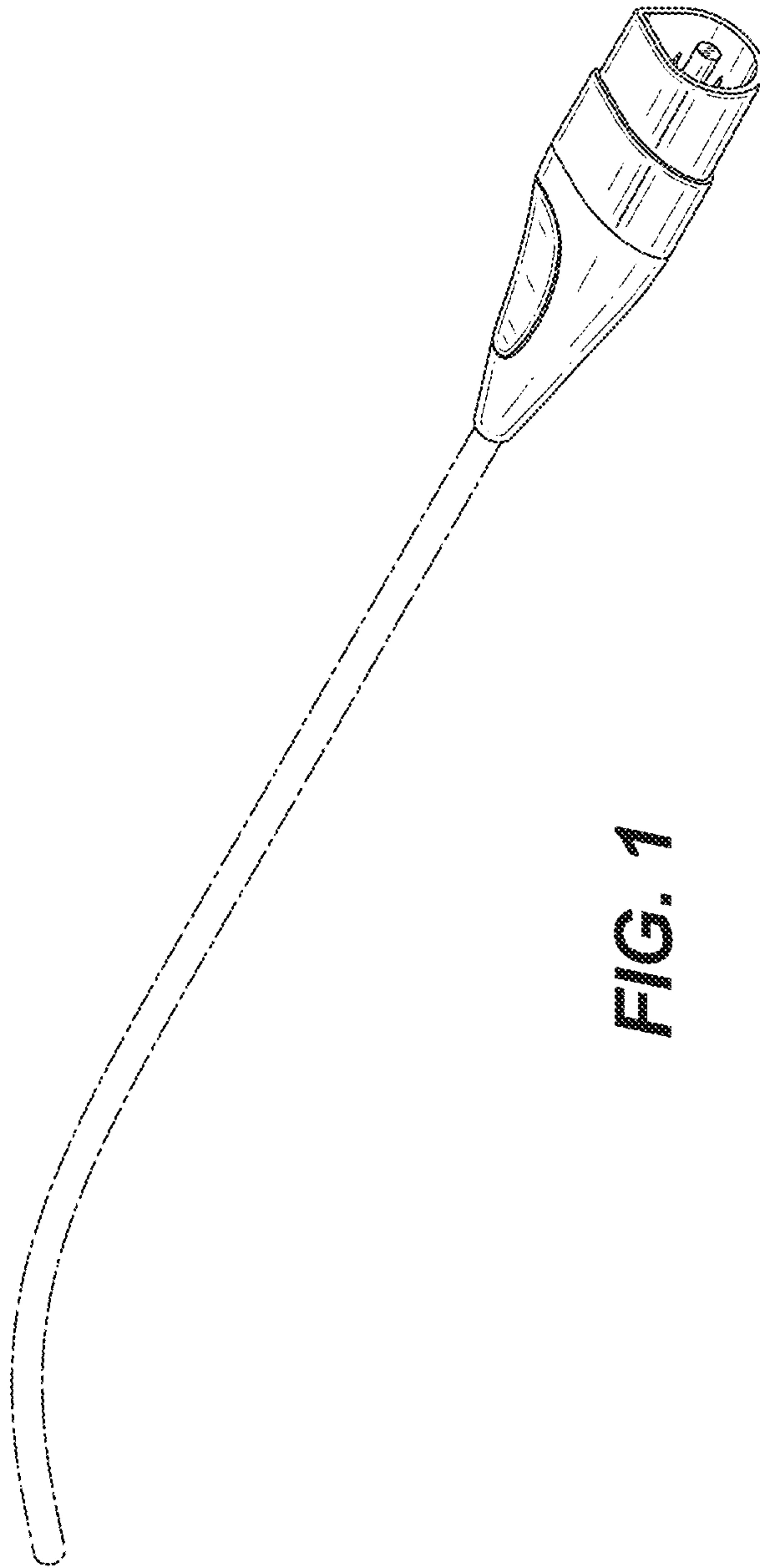


FIG. 1

FIG. 2

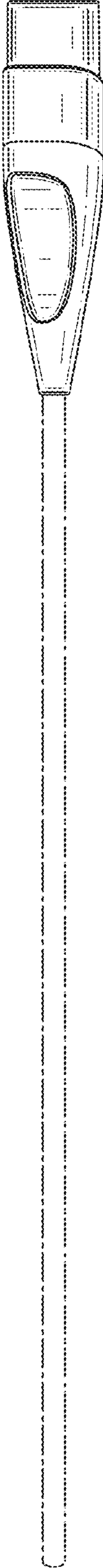
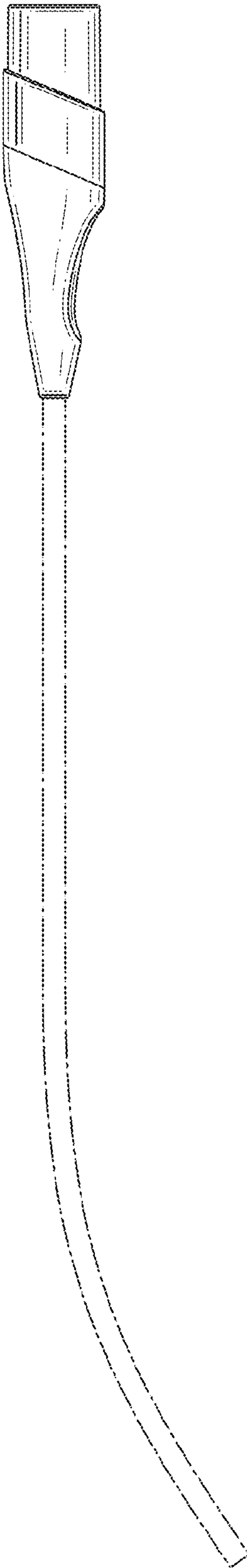
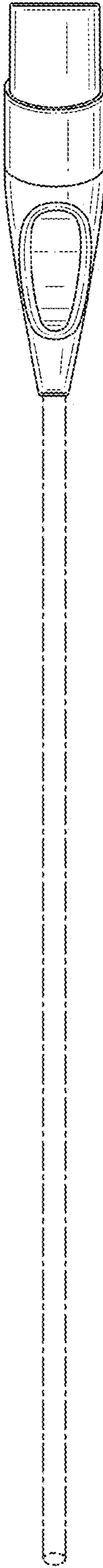


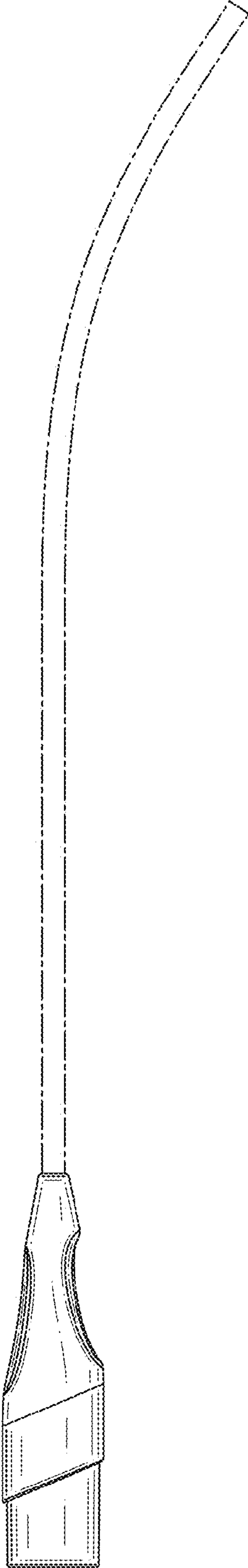
FIG. 3



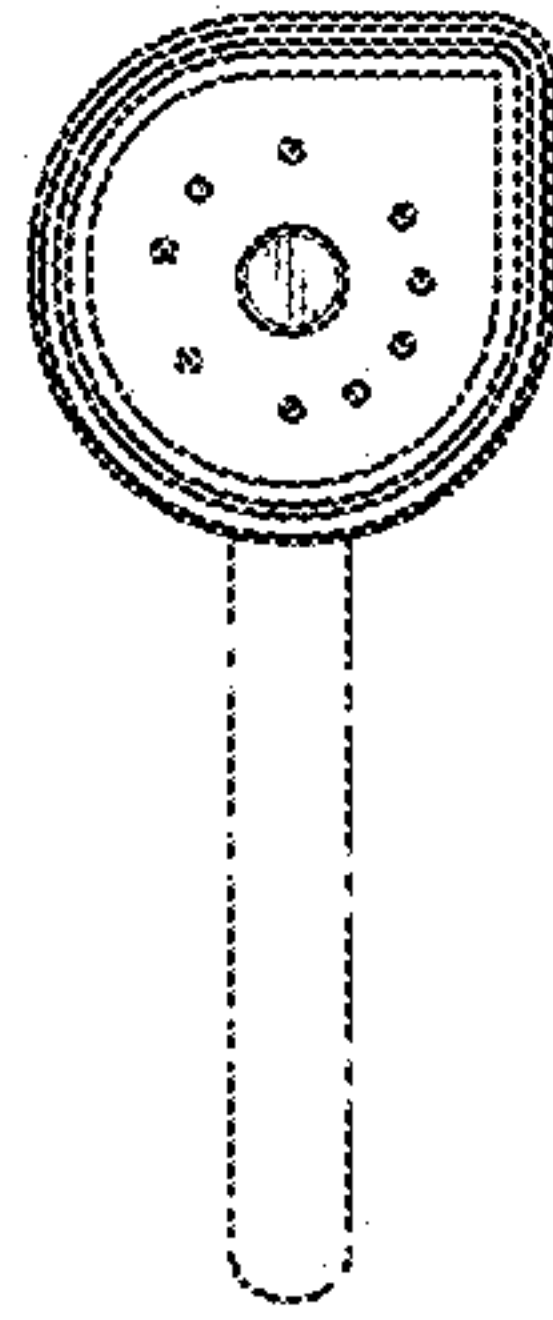


**FIG. 4**

FIG. 5



**FIG. 6**



**FIG. 7**

