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

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(54) **CATHETER**

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

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(30) **Foreign Application Priority Data**

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

(52) **U.S. Cl.**
USPC **D24/130**

(58) **Field of Classification Search**
USPC D24/127-131, 112-114, 133, 186;
606/181, 185; 604/523, 532, 534, 264, 272,
604/115, 232, 187, 158, 164.08, 192, 263,
604/163, 181, 184, 198, 227; 600/101, 139,
600/143; 128/200.24, 207.14, 207.15
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 4,846,814 A * 7/1989 Ruiz 604/532
- 4,961,731 A * 10/1990 Bodicky et al. 604/264
- 5,306,263 A 4/1994 Voda
- 5,401,258 A 3/1995 Voda
- 5,445,625 A 8/1995 Voda
- 5,476,453 A * 12/1995 Mehta 604/532
- 5,603,704 A * 2/1997 Brin et al. 604/532
- 5,662,621 A * 9/1997 Lafontaine 604/528

- 5,876,385 A * 3/1999 Ikari et al. 604/523
- 5,971,974 A 10/1999 Keisz
- 6,039,723 A 3/2000 Tanaka et al.
- 6,106,510 A * 8/2000 Lunn et al. 604/525
- 6,110,163 A 8/2000 Voda
- 7,494,478 B2 * 2/2009 Itou et al. 604/95.04
- D616,087 S * 5/2010 Brigatti et al. D24/112
- D616,088 S * 5/2010 Brigatti et al. D24/112
- D616,540 S * 5/2010 Brigatti et al. D24/112

FOREIGN PATENT DOCUMENTS

- JP A-2007-330548 12/2007
- JP D1370177 10/2009

* cited by examiner

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(57) **CLAIM**

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

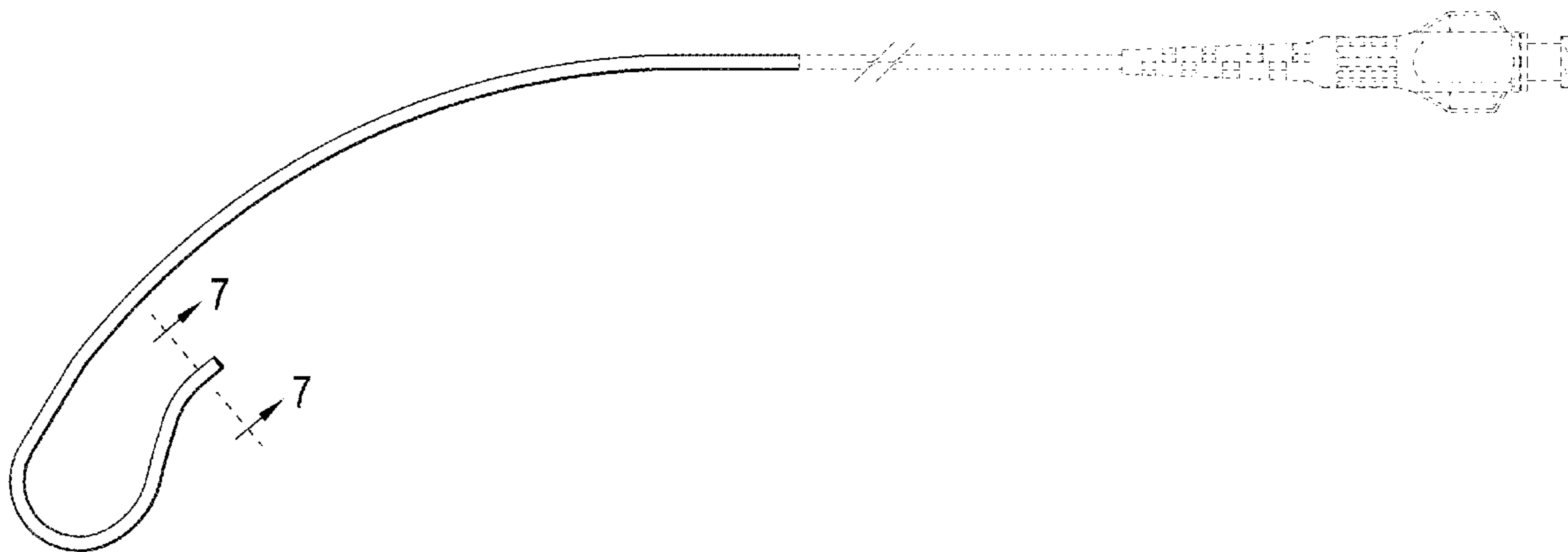
DESCRIPTION

FIG. 1 is a front view of a catheter showing our new design; 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 rear view thereof; FIG. 6 is a bottom view thereof; and, FIG. 7 is a cross-sectional view thereof taken along lines 7-7 in FIG. 1.

The broken lines depict environmental subject matter only and form no part of the claimed design.

The dot-chain lines depict a boundary between claimed and unclaimed portions and form no part of the claimed design.

1 Claim, 3 Drawing Sheets



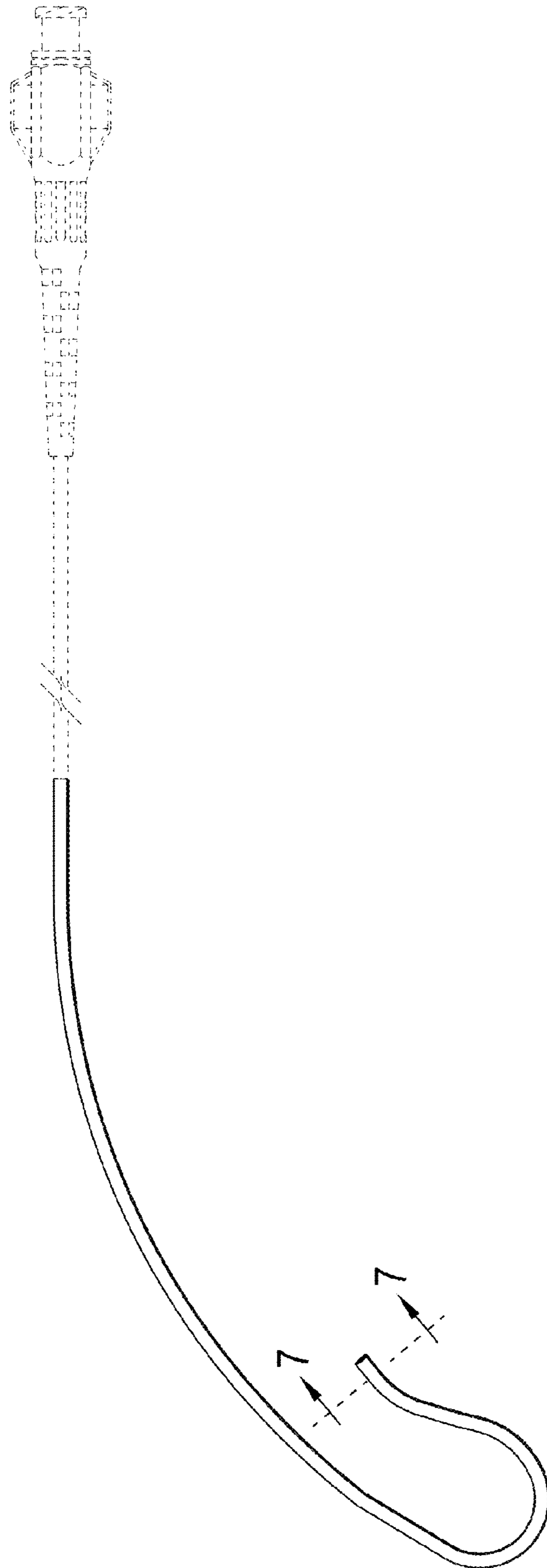


FIG. 1

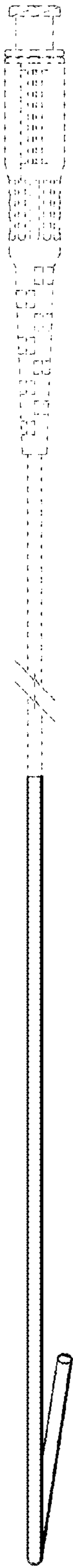


FIG. 2

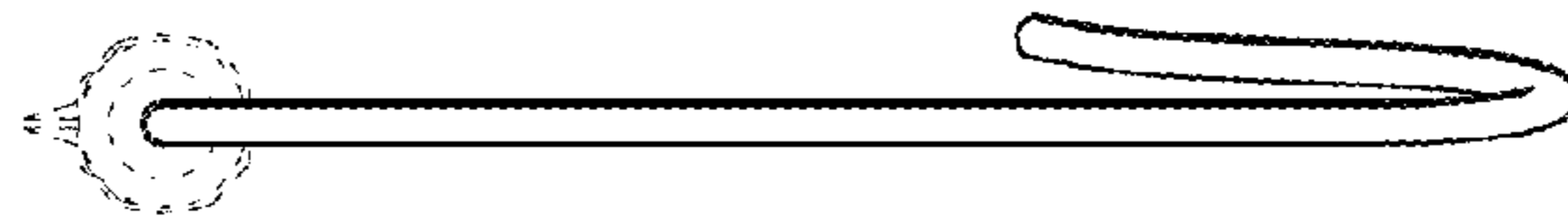


FIG. 3

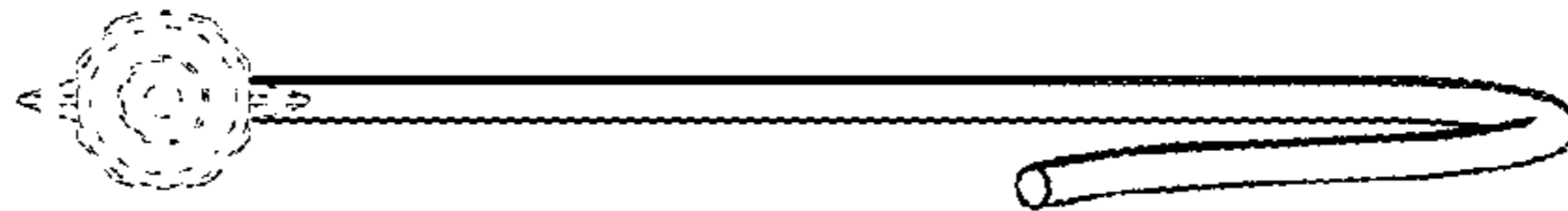


FIG. 4

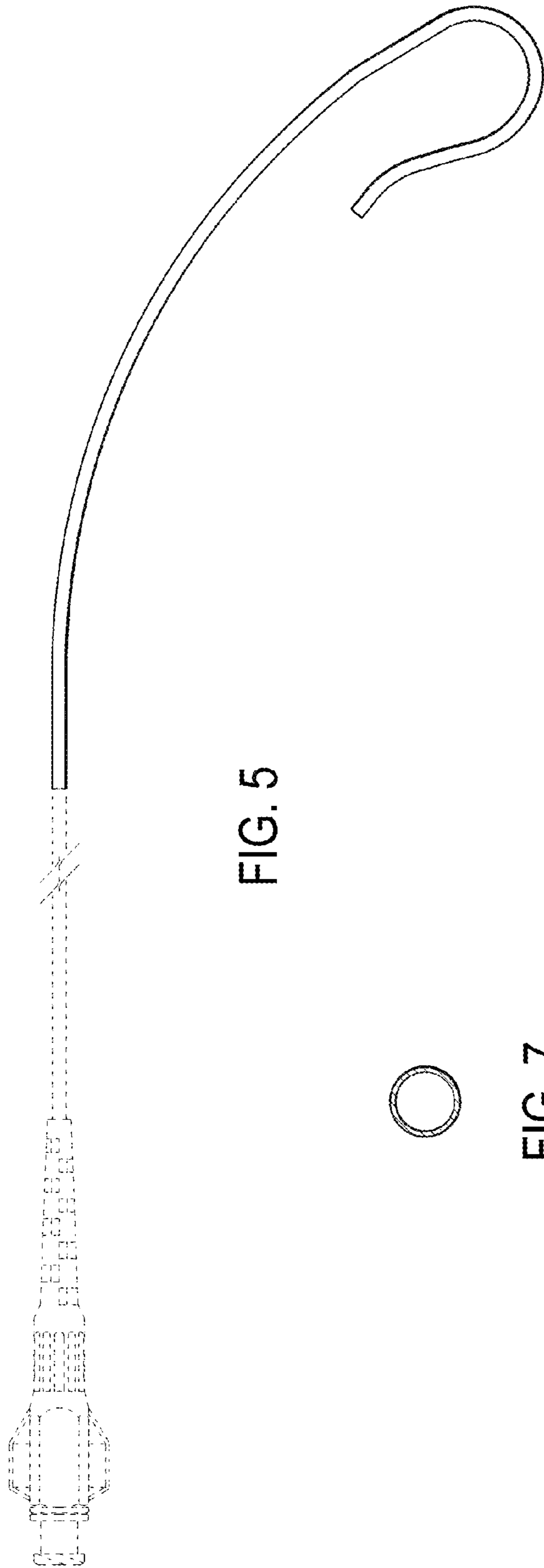


FIG. 5

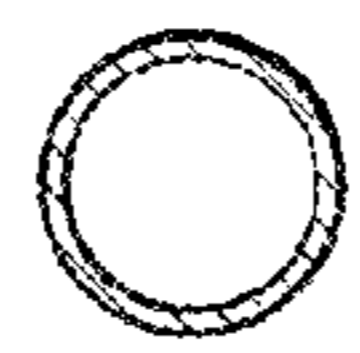


FIG. 7

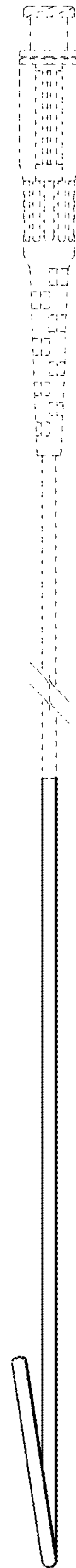


FIG. 6