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(12) **United States Design Patent** (10) **Patent No.:** **US D952,843 S**  
**de la Rama et al.** (45) **Date of Patent:** **\*\* May 24, 2022**

(54) **HIGH DENSITY CATHETER TIP**

25/0097; A61F 2/958; A61B 2018/0016;  
A61B 5/24; A61B 5/6876

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See application file for complete search history.

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(56)

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(\*\*) Term: **15 Years**

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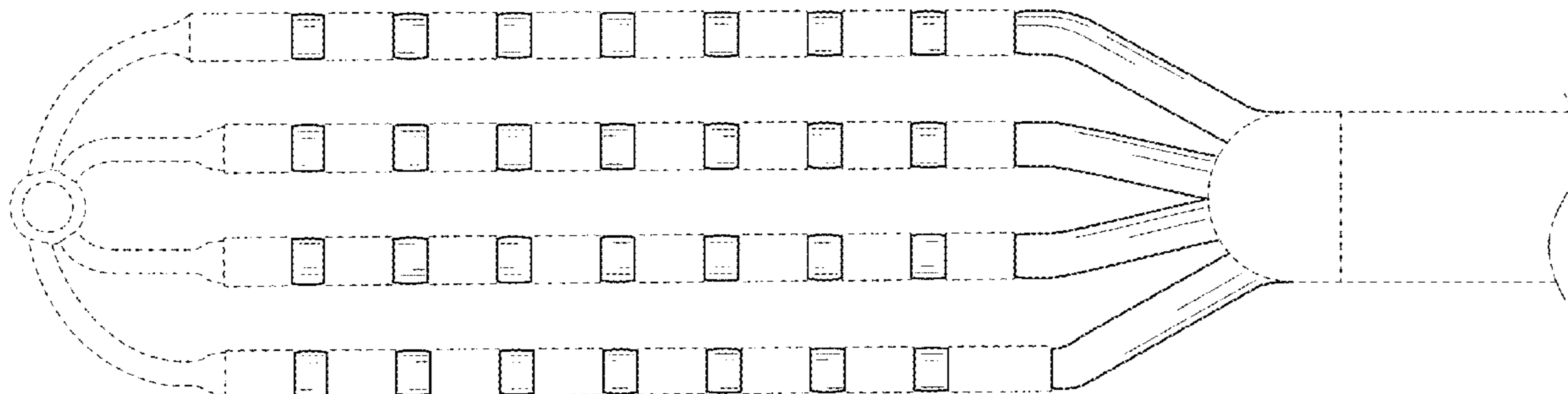
**Related U.S. Application Data**

(60) Division of application No. 29/759,859, filed on Nov. 25, 2020, now Pat. No. Des. 940,310, which is a continuation of application No. 16/670,678, filed on Oct. 31, 2019, which is a continuation of application No. 14/760,682, filed as application No. PCT/US2014/011940 on Jan. 16, 2014, now Pat. No. 10,492,729.

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## (57) CLAIM

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

## DESCRIPTION

This application is related to U.S. provisional application no. 60/939,799, filed May 23, 2007; U.S. application Ser. No. 11/853,759, filed Sep. 11, 2007, now U.S. Pat. No. 8,187,267, issued May 29, 2012; U.S. provisional application no. 60/947,791, filed Jul. 3, 2007; U.S. application Ser. No. 12/167,736, filed Jul. 3, 2008, now U.S. Pat. No. 8,206,404, issued Jun. 26, 2012; U.S. application Ser. No. 12/667,338, filed Jan. 20, 2011 (371 date), published as U.S. patent application Ser. No. U.S. 2011/0118582 A1, now U.S. Pat. No. 8,827,910, issued Sep. 9, 2014; U.S. application Ser. No. 12/651,074, filed Dec. 31, 2009, published as U.S. patent application Ser. No. U.S. 2010/0152731 A1, now U.S. Pat. No. 8,979,837, issued Mar. 17, 2015; U.S. application Ser. No. 12/436,977, filed May 7, 2009, published as U.S. patent application Ser. No. U.S. 2010/0286684 A1; U.S. application Ser. No. 12/723,110, filed Mar. 12, 2010, published as U.S. patent application Ser. No. U.S. 2010/0174177 A1, now U.S. Pat. No. 8,734,440, issued May 27, 2014; U.S. provisional application No. 61/355,242, filed Jun. 16, 2010; U.S. application Ser. No. 12/982,715, filed Dec. 30, 2010, published as U.S. patent application Ser. No. 2011/0288392 A1, now U.S. Pat. No. 8,974,454, issued Mar. 10, 2015; U.S. application Ser. No. 13/159,446, filed Jun. 14, 2011, published as U.S. patent application Ser. No. U.S. 2011/0313417 A1; U.S. application Ser. No. 13/162,392, filed Jun. 16, 2011, published as U.S. patent application Ser. No. U.S. 2012/0010490 A1; and U.S. application Ser. No. 13/704,619, filed Dec. 16, 2012 (371 date).

Each of these applications is hereby incorporated by reference as though fully set forth herein. It is understood that any material in these applications which is not present in this application forms no part of the claimed design.

FIG. 1 is a top plan view of a high density catheter tip showing our new design;

FIG. 2 is a side perspective view thereof; and,

FIG. 3 is a side elevation view thereof in a flexed position. The dashed broken lines and stipple shading shown in the side elevation view in FIG. 3 illustrates a surface that forms no part of the claimed design. The dot-dash broken lines in the drawings define the boundaries of the claimed design and form no part thereof. The remaining dashed broken lines in the figures depict portions of the catheter tip that form no part of the claimed design.

**1 Claim, 3 Drawing Sheets**

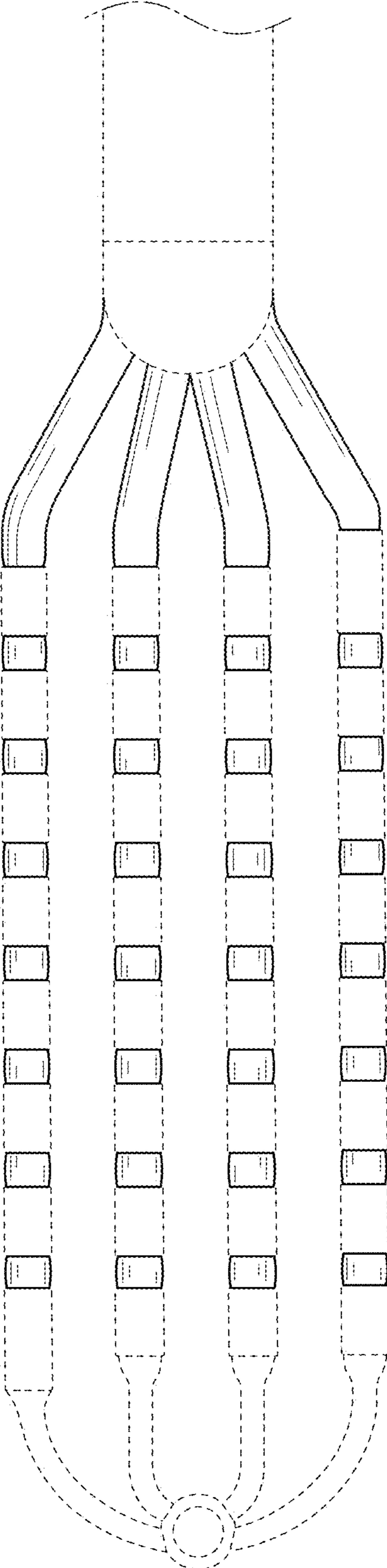


FIG. 1

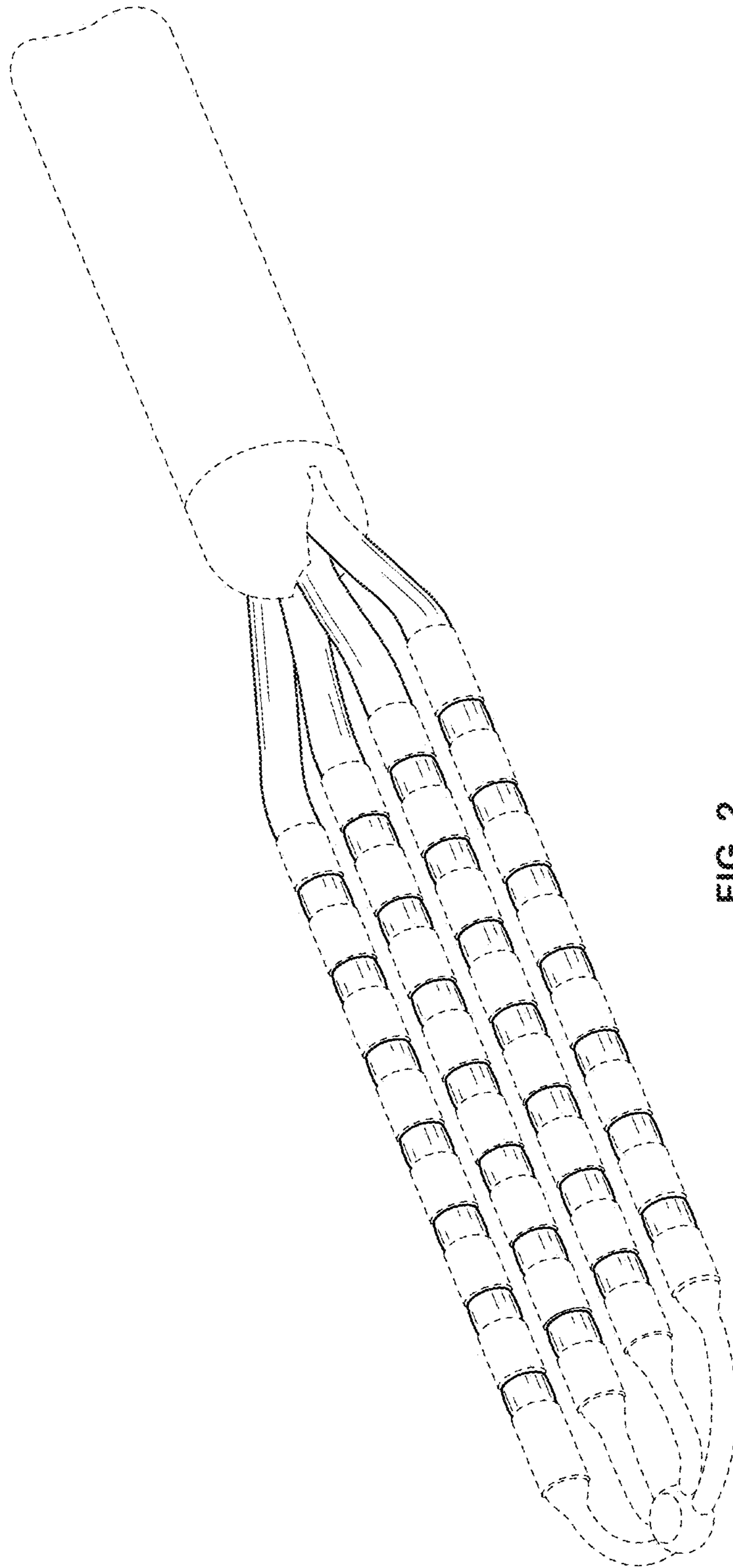


FIG. 2

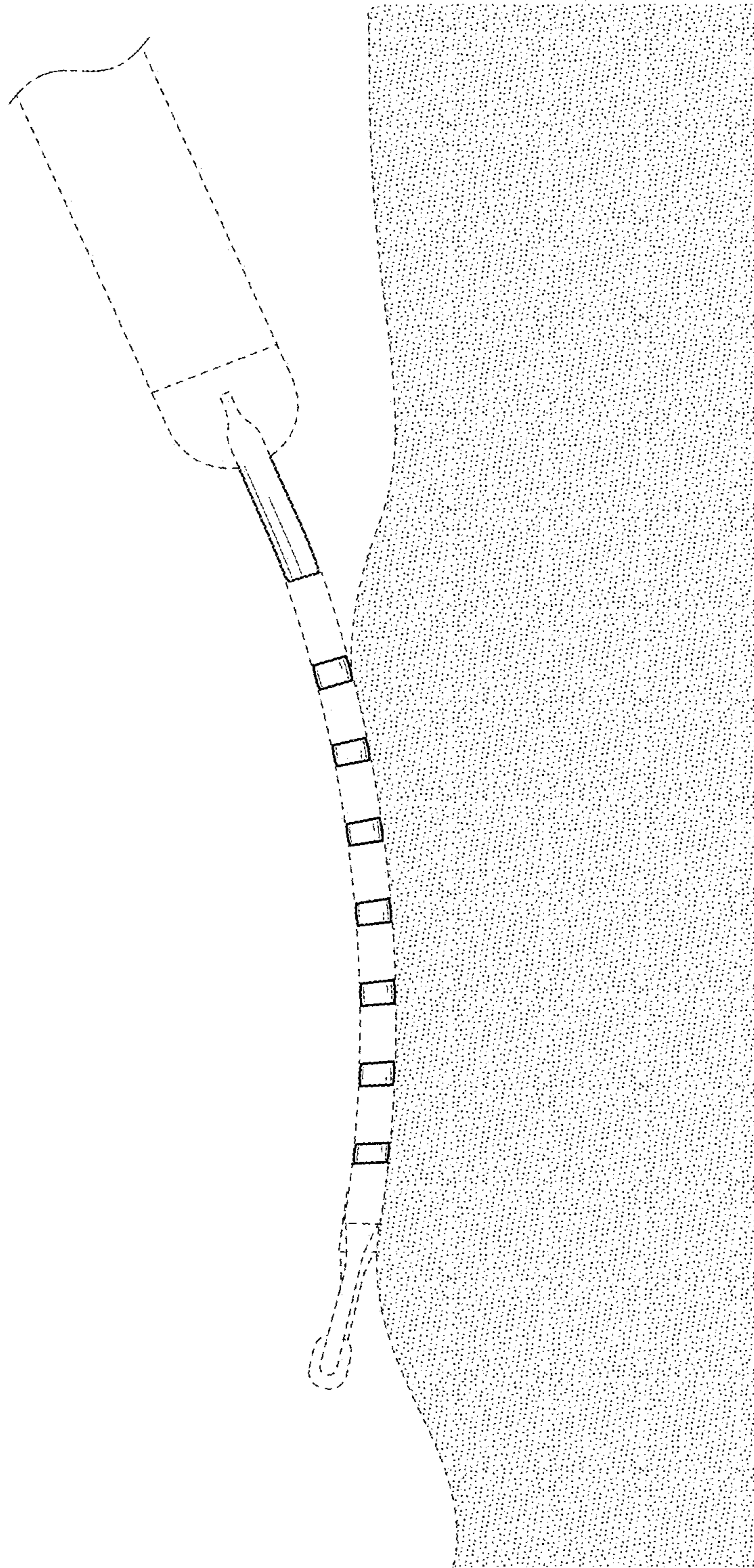


FIG. 3