



US00D852353S

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

(10) **Patent No.:** **US D852,353 S**  
(45) **Date of Patent:** **\*\* Jun. 25, 2019**

(54) **TRACHEAL INTUBATION BOUGIE AND CATHETER WITH COLOR-CODED DEPTH INDICATORS**

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**Oliver Robinson**, Edinburgh (GB)

(73) Assignee: **Lothian Health Board**, Edinburgh (GB)

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

(21) Appl. No.: **29/558,709**

(22) Filed: **Mar. 21, 2016**

**Related U.S. Application Data**

(62) Division of application No. 29/466,973, filed on Sep. 13, 2013, now Pat. No. Des. 752,213.

(51) **LOC (11) Cl.** ..... **24-01**

(52) **U.S. Cl.**  
USPC ..... **D24/127**

(58) **Field of Classification Search**  
USPC ..... D24/112-114, 133, 186, 130, 127;  
606/181, 185; 604/264, 272, 115,  
(Continued)

(56) **References Cited**

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*Primary Examiner* — David G Muller

*Assistant Examiner* — Nathan M Johnston

(74) *Attorney, Agent, or Firm* — Myers Bigel, P.A.

(57) **CLAIM**

The ornamental design for a tracheal intubation bougie and catheter with color-coded depth indicators, as shown and described.

**DESCRIPTION**

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawings will be provided by the Office upon request and payment of the necessary fee.

FIG. 1 is a side view of a tracheal intubation catheter with color-coded depth indicators according to our design;

FIG. 2 is a front end view thereof;

FIG. 3 is a back view thereof;

FIG. 4 is a perspective view thereof;

FIG. 5 is an environmental side view of the tracheal intubation catheter with color-coded depth indicators shown in use in a patient according to our design;

FIG. 6 is an environmental perspective view of the tracheal intubation catheter with color-coded depth indicators of our design shown with an endotracheal tube thereon and an oxygen attachment at one end thereof;

FIG. 7 is a side view of another embodiment of a tracheal intubation catheter with color-coded depth indicators according to our design;

FIG. 8 is a front end view thereof;

FIG. 9 is a back view thereof;

FIG. 10 is a perspective view thereof;

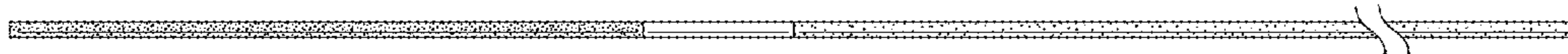
FIG. 11 is an environmental side view of the tracheal intubation catheter with color-coded depth indicators shown in use in a patient according to our design; and,

FIG. 12 is an environmental perspective view of the tracheal intubation catheter with color-coded depth indicators of our design shown with an endotracheal tube thereon and an oxygen attachment at one end thereof.

The broken lines shown herein are for illustrative purposes only and form no part of the claimed design. The different stippling patterns in the drawings indicate surfaces having a contrasting appearance as shown.

The environmental views of FIGS. 5, 6, 11 and 12 are shown for illustrative purposes with respect to an endotracheal tube (shown in broken line and disclaimed), and it should be understood that in use, portions of the device would be

(Continued)



occluded by the endotracheal tube and/or by insertion in a patient. For FIGS. 7-12, when printed in black and white, the different segments represent red, yellow and green. The catheter is shown with a symbolic break in its length. The appearance of any portion of the article between the break lines forms no part of the claimed design.

**1 Claim, 12 Drawing Sheets  
(6 of 12 Drawing Sheet(s) Filed in Color)**

(58) **Field of Classification Search**

USPC ..... 604/164.01-164.09, 533, 232, 187,  
604/168.01, 192, 19, 48, 93.01, 523, 524,  
604/526; 600/101, 139, 143;  
128/200.24, 207.14, 207.15  
CPC .... A61M 2209/082; A61M 2205/3569; A61M  
2205/3592; A61M 2205/502; A61M  
16/0488; A61B 1/00052; A61B 1/00101;  
A61B 1/00105; A61B 1/267  
See application file for complete search history.

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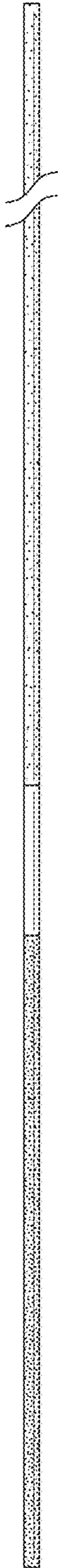


FIG. 1

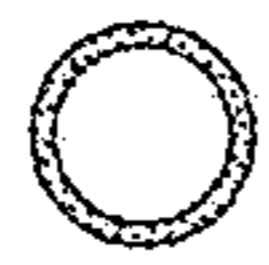


FIG. 2

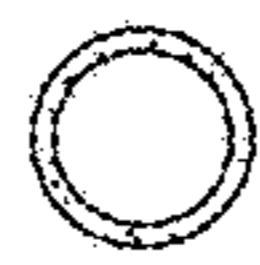


FIG. 3

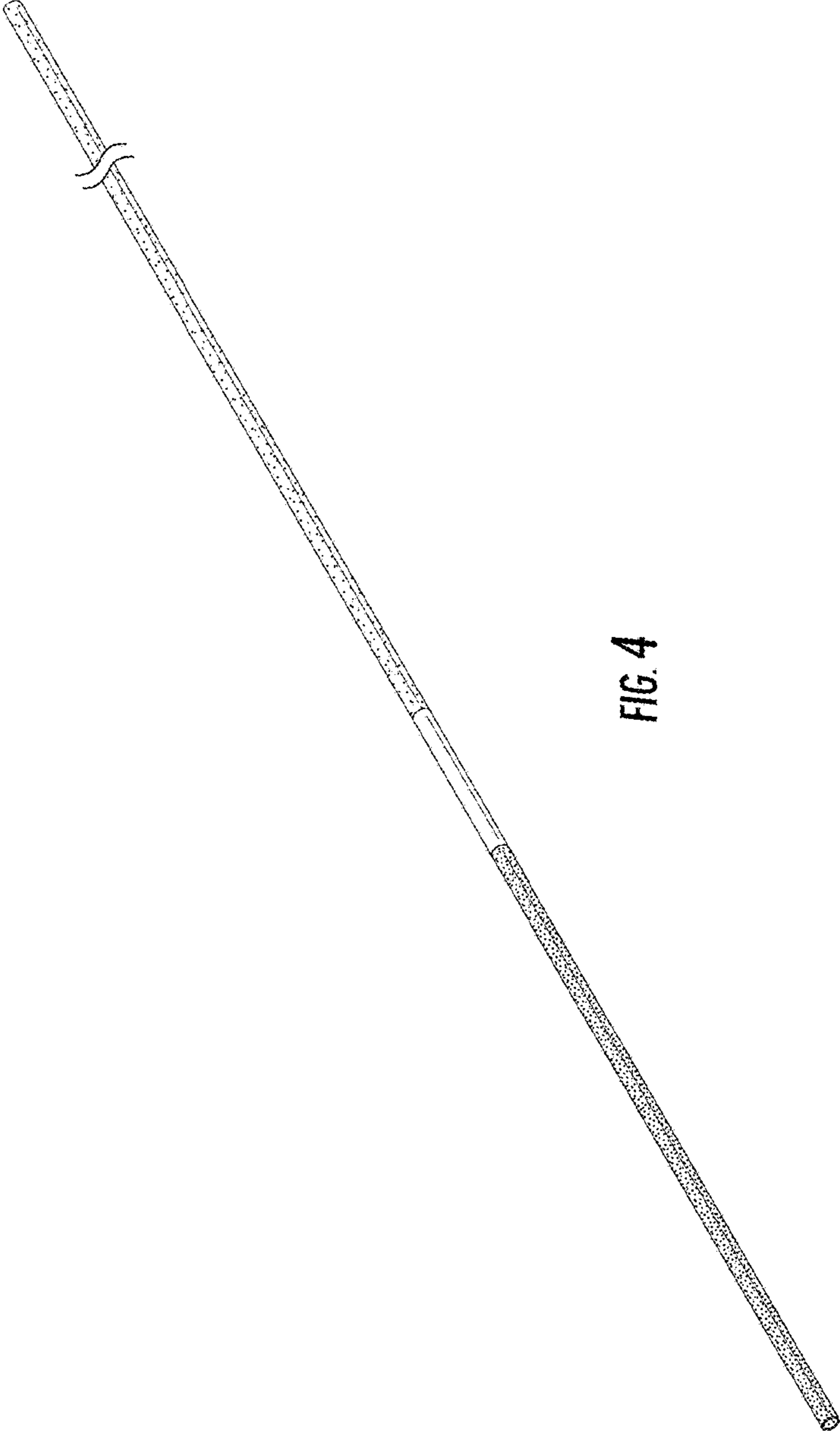


FIG. 4

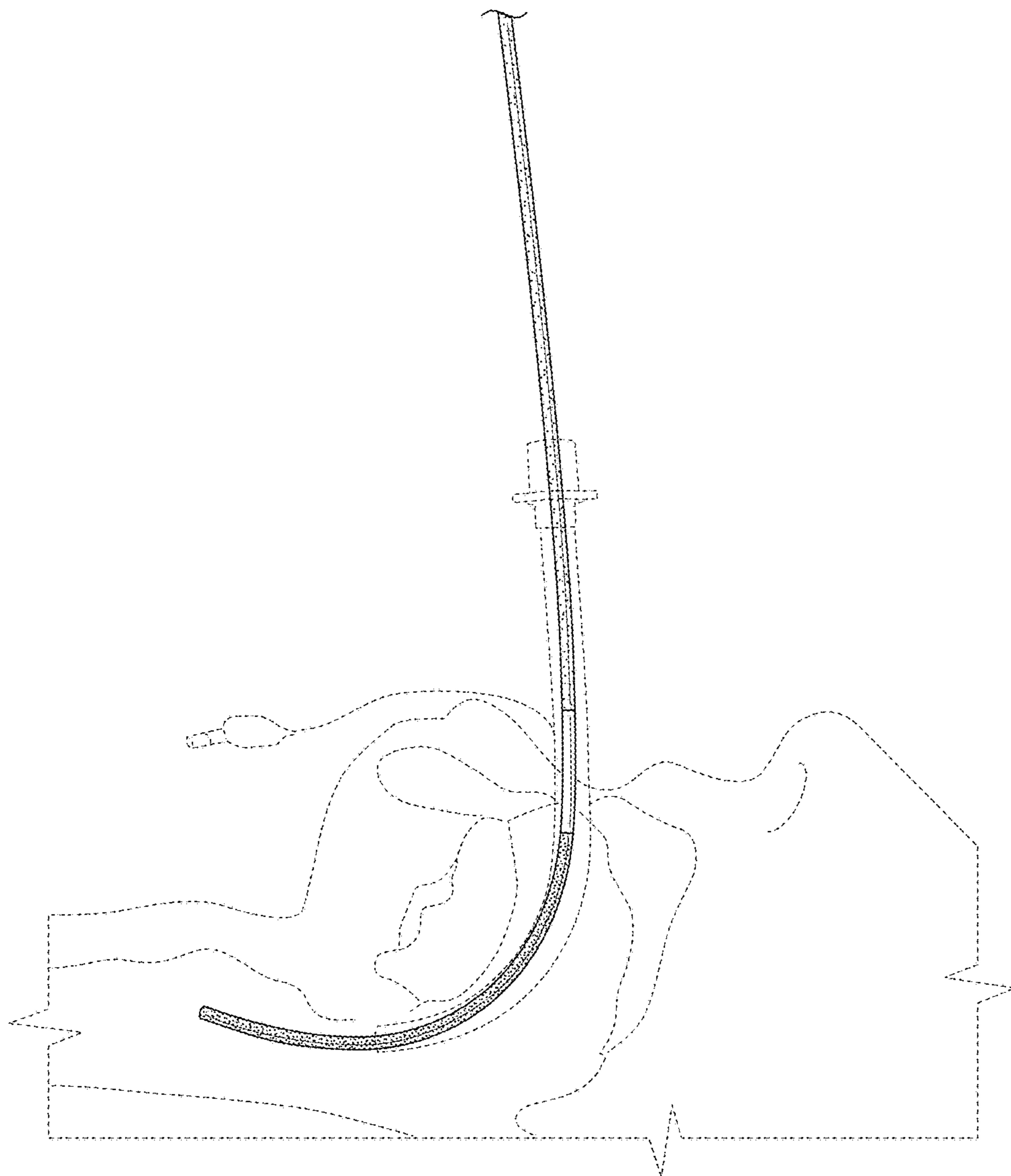


FIG. 5

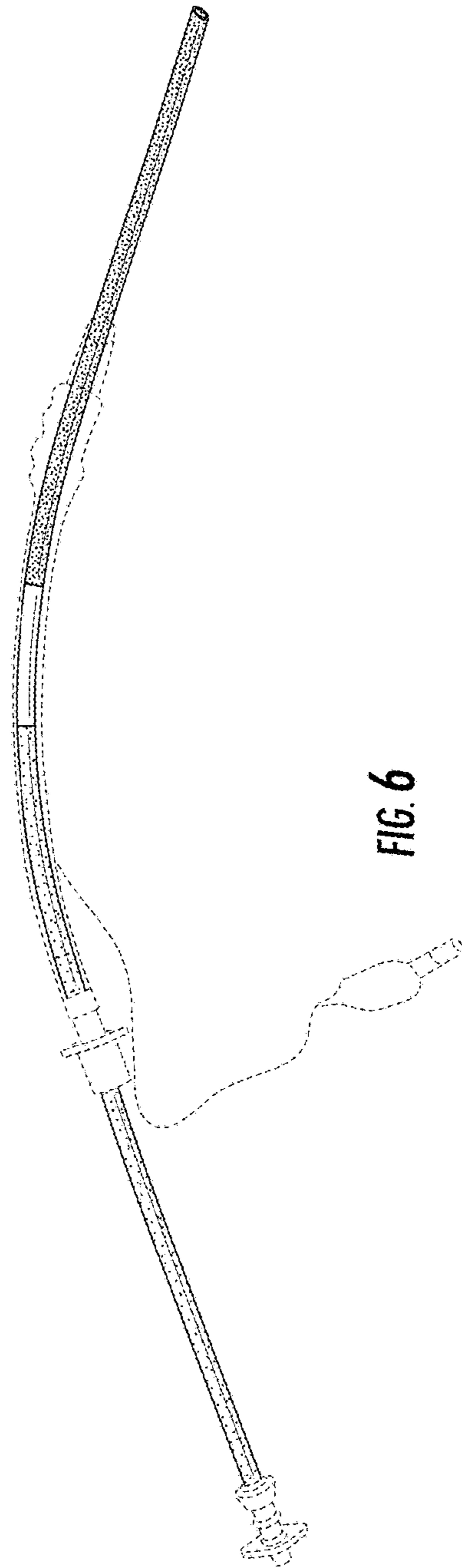


FIG. 6



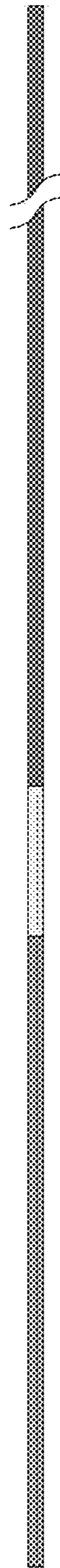


FIG. 7

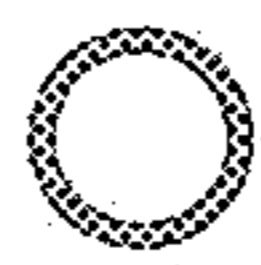


FIG. 8

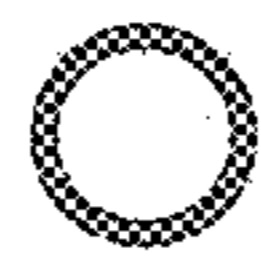
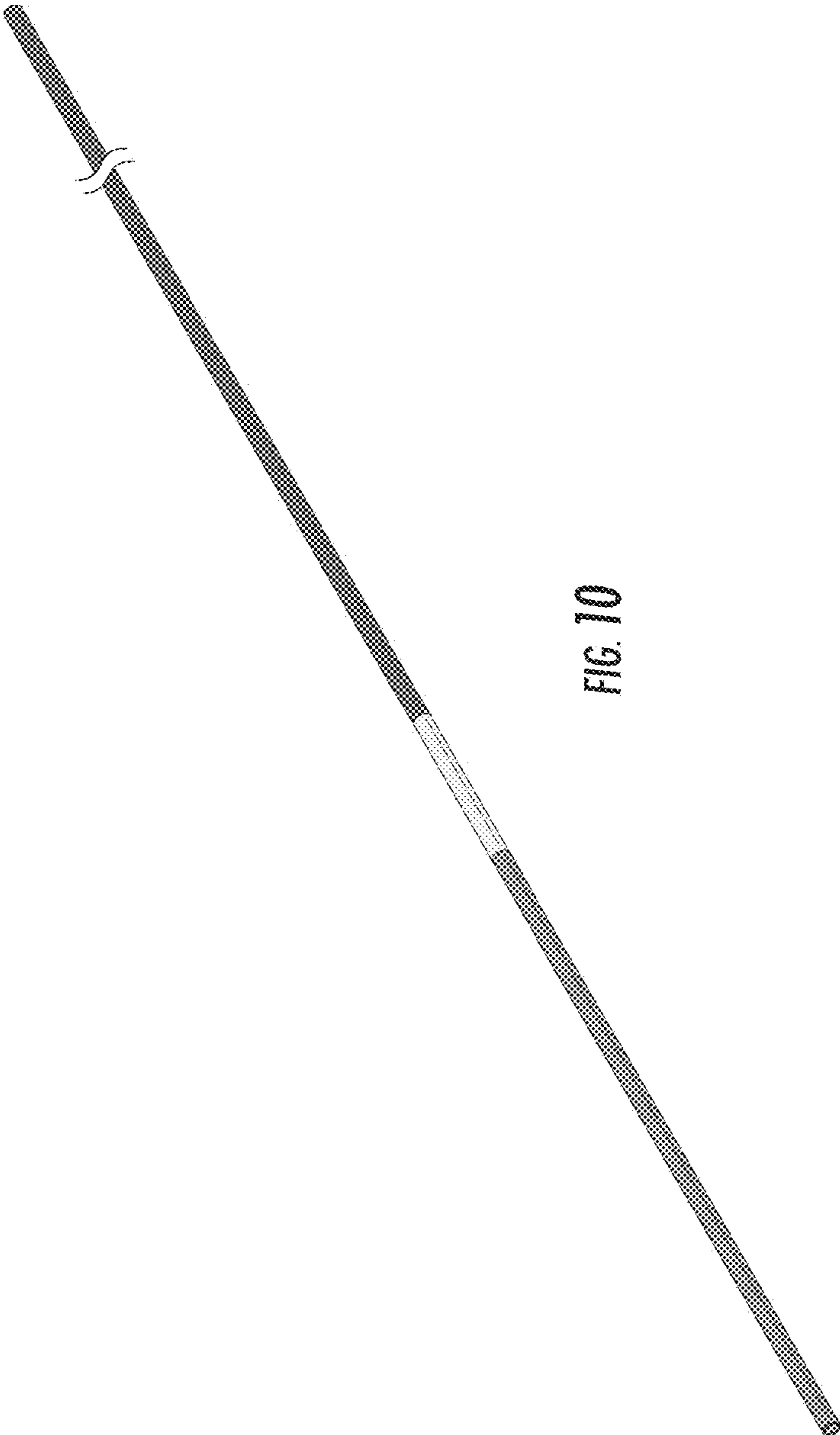


FIG. 9



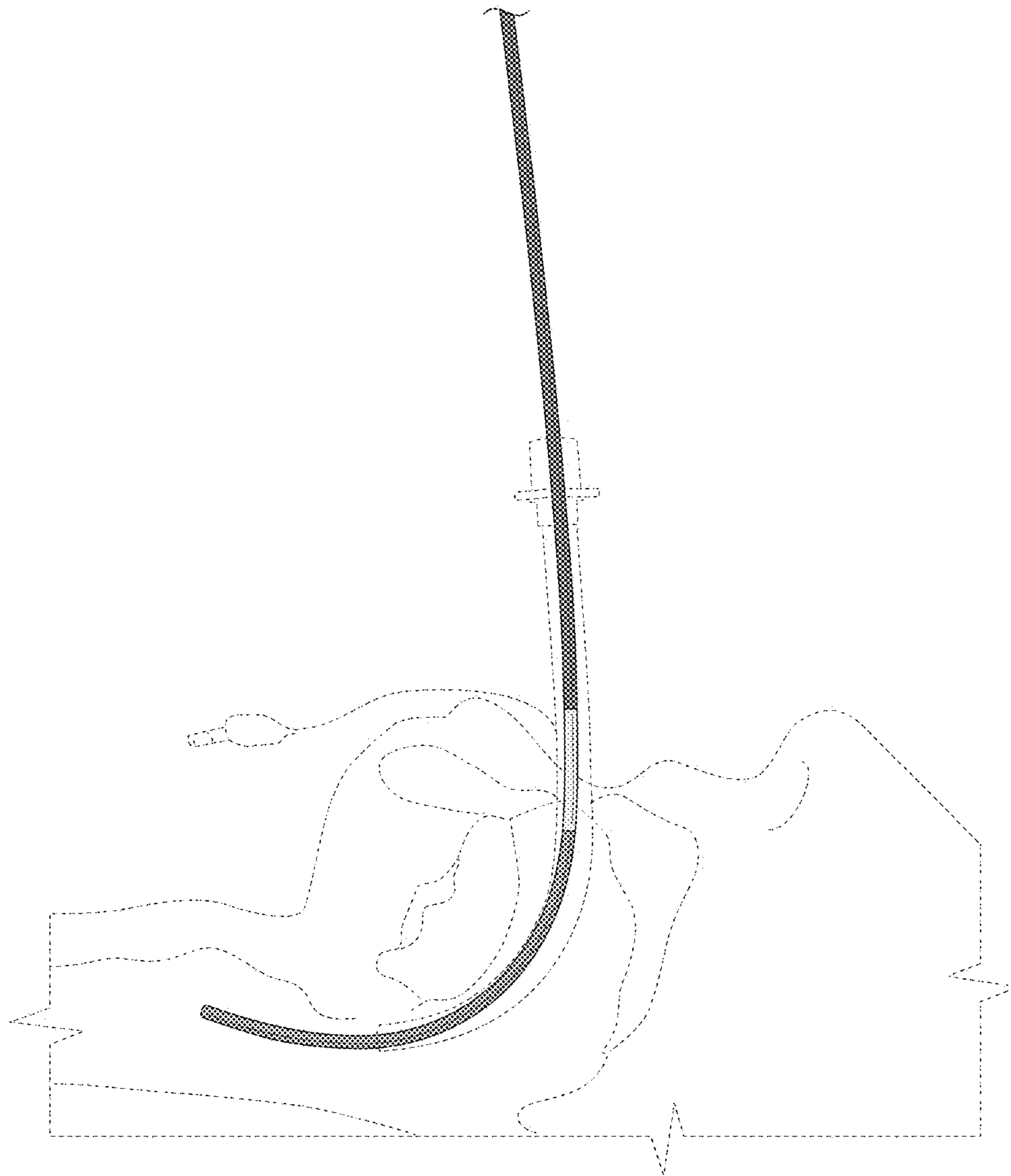


FIG. 11

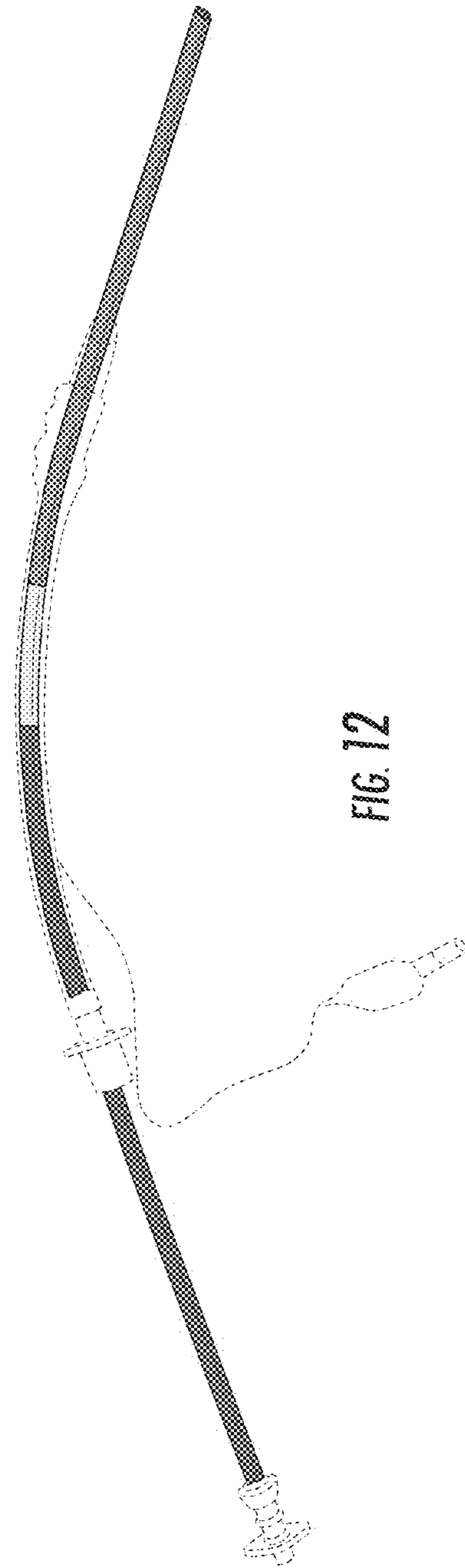


FIG. 12

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : D852,353 S  
APPLICATION NO. : 29/558709  
DATED : June 25, 2019  
INVENTOR(S) : Paul et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Page

Item (56) References Cited, U.S. PATENT DOCUMENTS:

Please insert the following references:

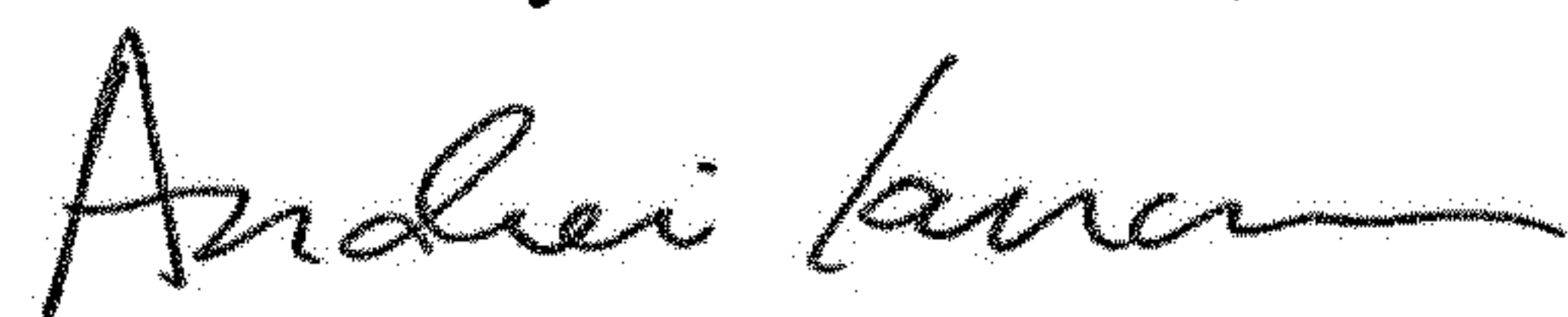
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Signed and Sealed this  
Tenth Day of December, 2019



Andrei Iancu  
Director of the United States Patent and Trademark Office