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United States Patent [19]

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Johlin, Jr.

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[54] **METHOD FOR TRANSFERRING THE EXIT SITE OF A CATHETER FROM THE MOUTH TO THE NOSE AND INSTRUMENTATION USEFUL THEREFOR**

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[57] **ABSTRACT**

[21] **Appl. No.:** 295,595

A technique and instrumentation for transferring the exit site of a catheter, such as a nasal biliary catheter, from the mouth to the nose are described herein. The disclosed instrumentation includes a nasopharyngeal transfer catheter which has a tip of magnetically attractable material and a corresponding magnetic wand. The transfer catheter also includes a lateral hole therein near the its distal end which serves to facilitate attachment with the magnetic wand by increasing the flexibility of the transfer catheter in the direction towards the magnetic wand, while also providing access means for passing an nasal biliary catheter therethrough to effectuate the transfer of the nasal biliary catheter from the mouth to the nose. Alignment orientation and distance markings are also provided on nasalpharyngeal transfer catheter which facilitate the locating and attaching the tip of the transfer catheter to the magnetic wand.

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[51] **Int. Cl.⁶** A61M 25/00

[52] **U.S. Cl.** 604/264; 604/283; 600/12; 128/657; 128/899

[58] **Field of Search** 604/280, 283, 604/905, 264; 600/12; 128/899, 657

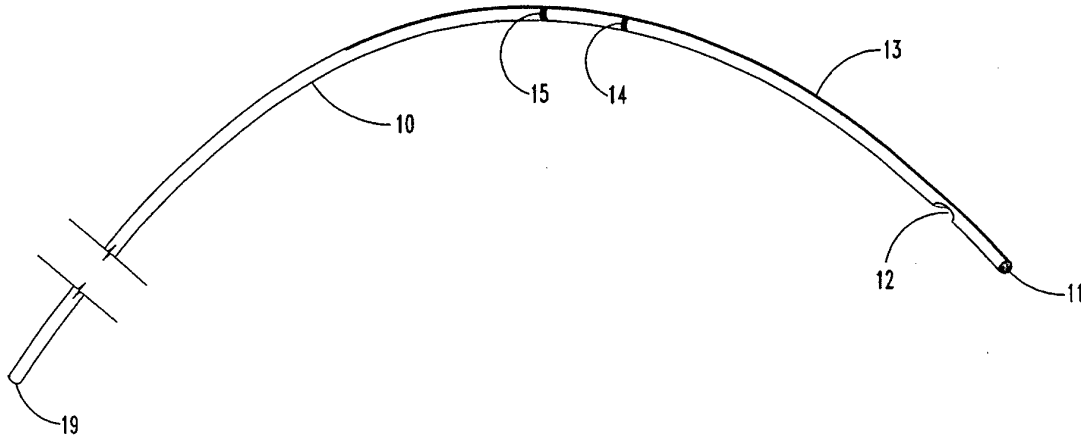
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Primary Examiner—John D. Yasko

3 Claims, 5 Drawing Sheets



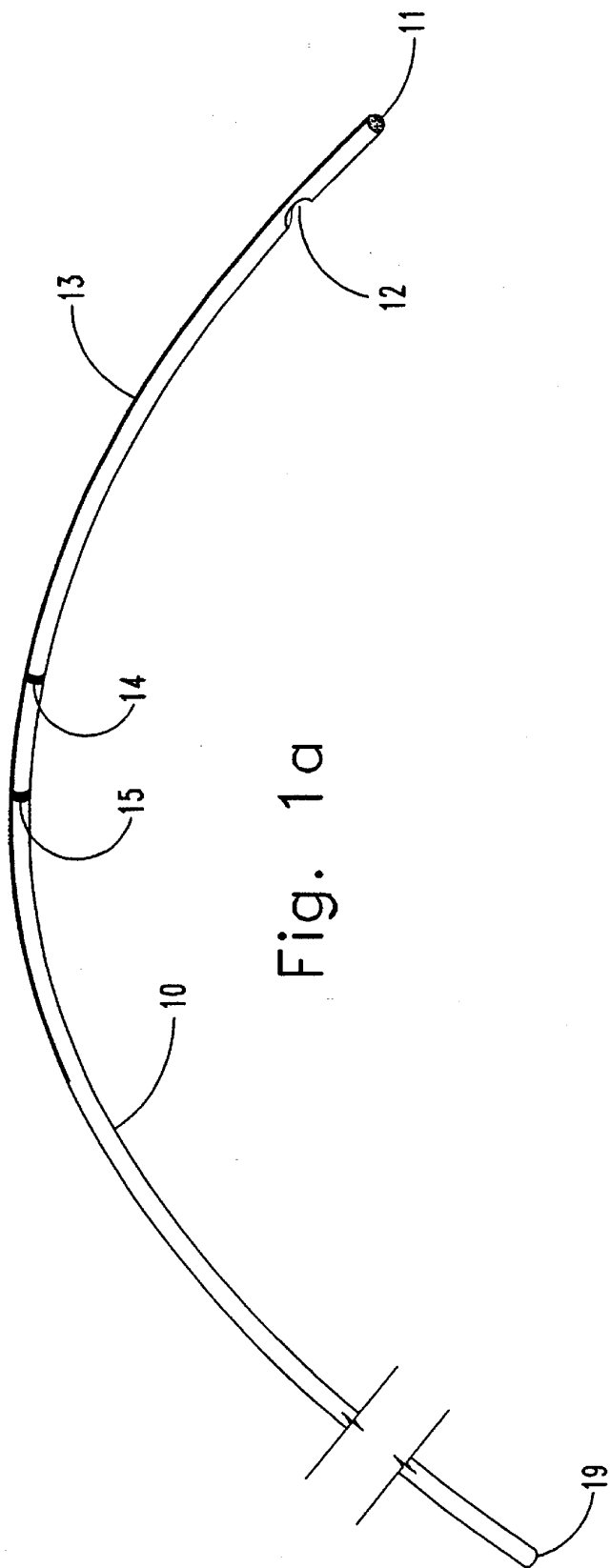


Fig. 1a

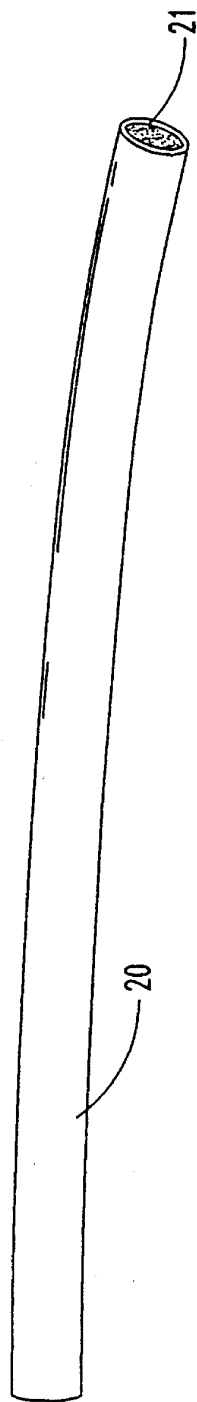


Fig. 1b

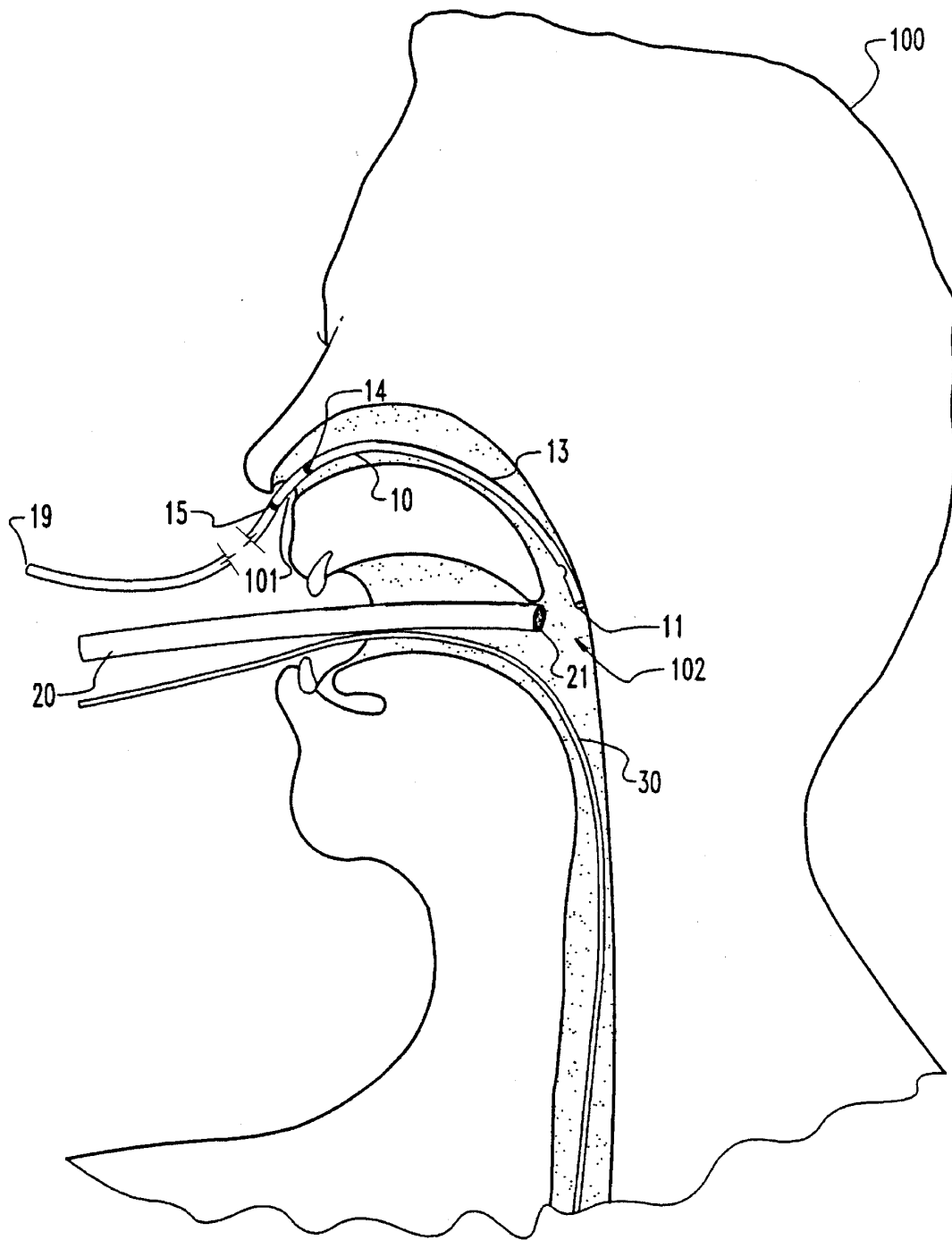


Fig. 2a

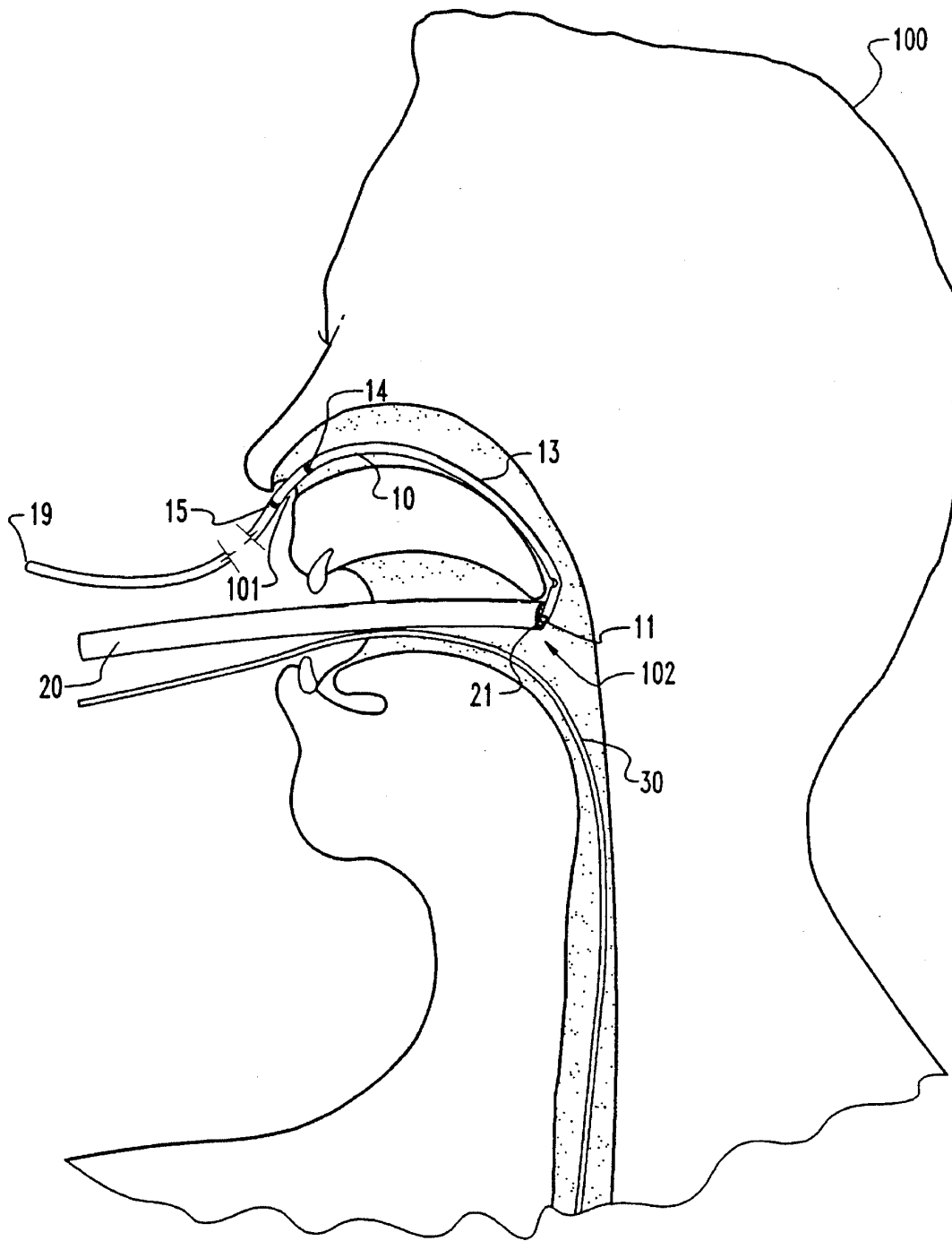


Fig. 2b

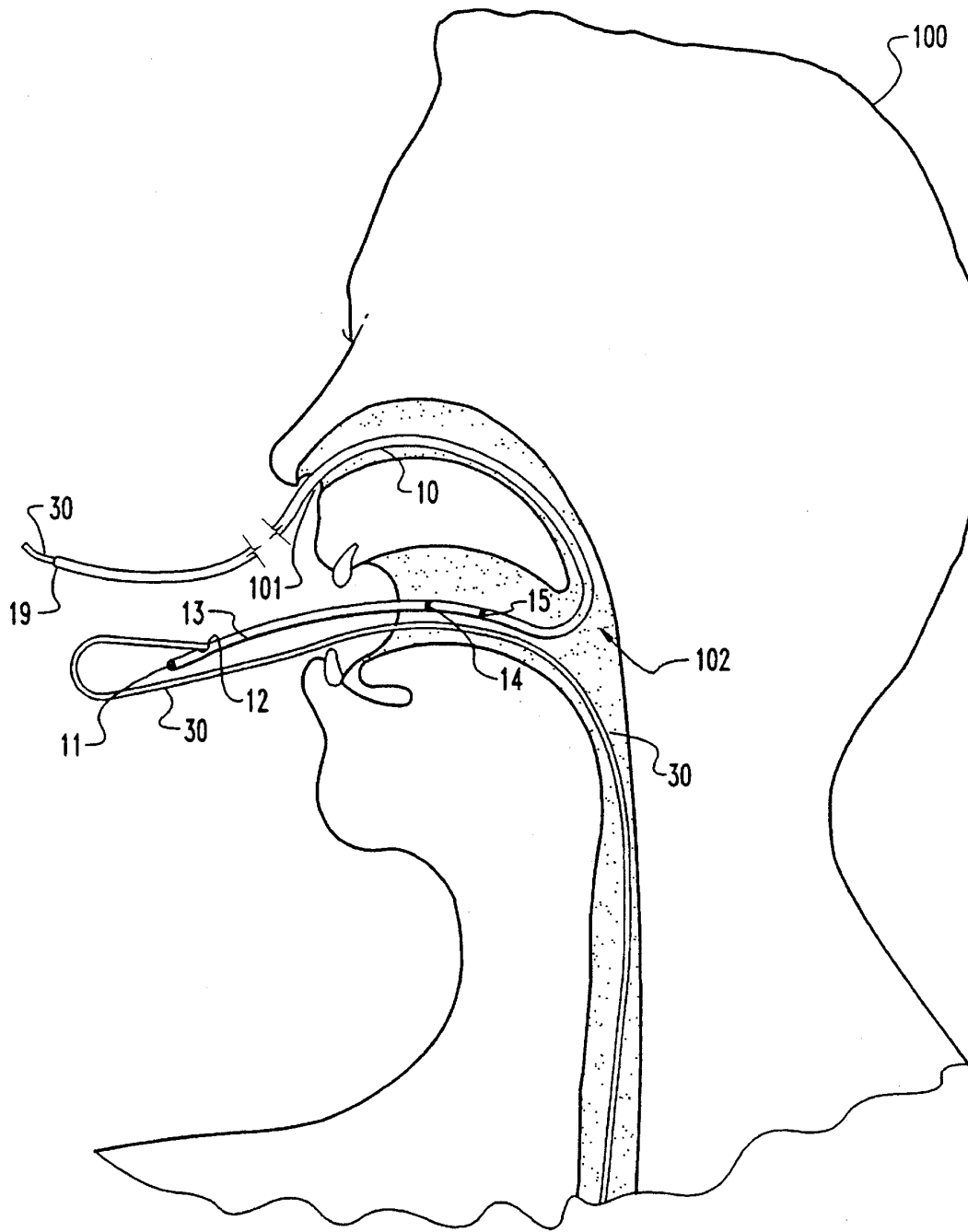


Fig. 2c

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