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Cerny

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- [54] **APPARATUS AND METHOD FOR INJECTING A VISCOUS MATERIAL INTO THE TISSUE OF A PATIENT**
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- [51] Int. Cl.⁶ **A61M 5/00**
- [52] U.S. Cl. **604/264; 604/164; 604/111; 604/274; 128/4**
- [58] Field of Search **604/264, 164, 165, 274, 604/239, 240, 111, 272; 128/4**

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[57] **ABSTRACT**

An apparatus and method are disclosed for injecting a viscous material into periurethral tissues as a treatment for urinary incontinence. The apparatus comprises a non-coring needle mounted to the forward end of a catheter. A hub with a luer adapter is fitted to the rearward end of the catheter. To provide the physician with a readily visible indicator of the orientation of the needle orifice, the catheter has a stripe running longitudinally on the catheter in predetermined angular relationship with the needle orifice. Further, the needle hub also has indicia located thereon in predetermined angular relationship with the needle orifice. Thus the physician can ascertain the orientation of the needle orifice through the cystoscope by observing the location of the stripe, or he can determine the orientation of the needle orifice externally by observing the indicia on the needle hub. The physician can therefore maneuver the catheter/needle assembly while noting the angular location of the stripe or hub indicia to position the needle orifice at the optimum orientation for injecting the viscous material.

12 Claims, 4 Drawing Sheets

