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# United States Patent [19]

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[54] **TRANSURETHRAL NEEDLE DELIVERY DEVICE WITH CYSTOSCOPE AND METHOD FOR TREATMENT OF URINARY INCONTINENCE**

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[58] Field of Search ..... 604/19-22, 53, 604/164, 280; 601/2; 606/39, 45, 32, 47, 48; 607/96, 113, 115, 116, 138, 156

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[57] **ABSTRACT**

A medical device which includes an elongate probe member sized to be able to enter a urethra of a female human body and having a length so that when the distal extremity is disposed in the vicinity of a target volume of tissue surrounding the urethra the proximal extremity is outside of the urethra. The elongate probe member has a passage extending from the proximal extremity to the distal extremity. At least one tubular needle is disposed in the passage and has first and second extremities and a flow passageway therein extending longitudinally from the first extremity to at least one opening provided in the second extremity of the at least one tubular needle. A control handle is secured to the proximal extremity of the elongate probe member for causing movement of the at least one tubular needle in the passage. A guide passageway causes movement of the at least one tubular needle through a curved path extending at an angle to the longitudinal axis. A supply assembly is carried by the proximal extremity of the elongate probe member and is in communication with the flow passageway of the at least one tubular needle for introducing an agent into the flow passageway. A method for use of the device is provided.

**17 Claims, 4 Drawing Sheets**

