

[54] SPIRAL URETERAL STENT

FOREIGN PATENT DOCUMENTS

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1250058 9/1967 Fed. Rep. of Germany 604/93

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[57] ABSTRACT

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A spiral ureteral stent is positioned in the ureter to aid in infusion of the renal pelvis and to maintain fluid drainage between the renal pelvis and the bladder. The stent includes a helical coiled section having retaining means at the distal and proximal ends for reception in the bladder and the renal pelvis. The retaining means enable the stent to resist movement in the ureter. A lumen extends the entire length of the stent to form a fluid passageway for infusion of fluid from an external source into the renal pelvis. The stent is flexible and may be straightened by means of a wire stylet inserted in the lumen, to facilitate placement of the stent in the ureter. The retention means and helical coiled section reform upon withdrawal of the stylet from the lumen. As the helical coiled section reforms to its coil shape, it bears against the walls of the ureter to reduce any restriction and to reinforce the walls of the ureter. The stent thus helps to redefine the ureteral passage from the renal pelvis to the bladder through which fluids and other matter may readily flow.

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[58] Field of Search 604/8, 21, 93, 164-170, 604/264, 280-282

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20 Claims, 3 Drawing Sheets

