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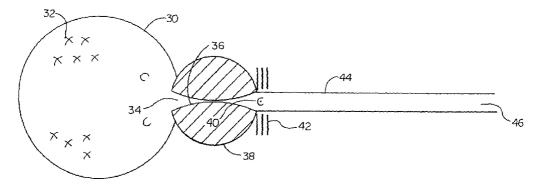
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(54) Title: ENDOURETHRAL DEVICE & METHOD



(57) Abstract: An endourethral device (50) is provided having an elongate member (52) having proximal (54) and distal (56) segments, the elongate member (52) positionable within a lower intestinal tract so as to at least partially traverse a prostatic urethra. A proximal anchor (58), adapted to abuttingly engage portions of a bladder neck so as to at least proximally anchor the device, is supported at least indirectly by the proximal segment (54) of said elongate member (52). The proximal anchor (58) includes bladder engaging elements (60) radially extending from the proximal segment (54) of said elongate member (52), urine being freely dischargable about at least said proximal segment (54) so as to substantially bathe the bladder neck therewith.



### INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER			
IPC(7) : A61M 29/00 US CL : 604/ 96, 97, 98, 99, 101, 102, 328, 544, 912, 915, 919, 921			
US CL: 604/96, 97, 98, 99, 101, 102, 328, 544, 912, 915, 919, 921  According to International Patent Classification (IPC) or to both national classification and IPC			
B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S.: 604/ 96, 97, 98, 99, 101, 102, 328, 544, 912, 915, 919, 921			
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
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C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category *		annomista of the olivery	D. 1 1
X	Citation of document, with indication, where appropriate, of the relevant passages US 4,946,449 A (DAVIS, JR.) 07 August 1990 (07.08.90), figure 1.		Relevant to claim No.
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Y			2-21
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Y	US 5,322,501 A (MAHMUD-DURRANNI) 21 June 1994 (21.06.94), figures 1 and 2.		1-6, 8, 18, 20, 21
-			1-0, 0, 10, 20, 21
Y	US 5,320,605 A (SAHOTA) 14 June 1994 (14.06.94), figures 15-20.		1-21
Y	US 4,407,301 A (STREISINGER) 04 October 1983 (04.10.83), figure 4.		1-9, 18, 21
Y	US 5,403,280 A (WANG) 04 April 1995 (04.04.95), see entire document.		1-21
Y US 5,360,402 A (CONWAY et al.) 01 November 19		994 (01.11.94), see entire document.	1, 8, 9, 18-21
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