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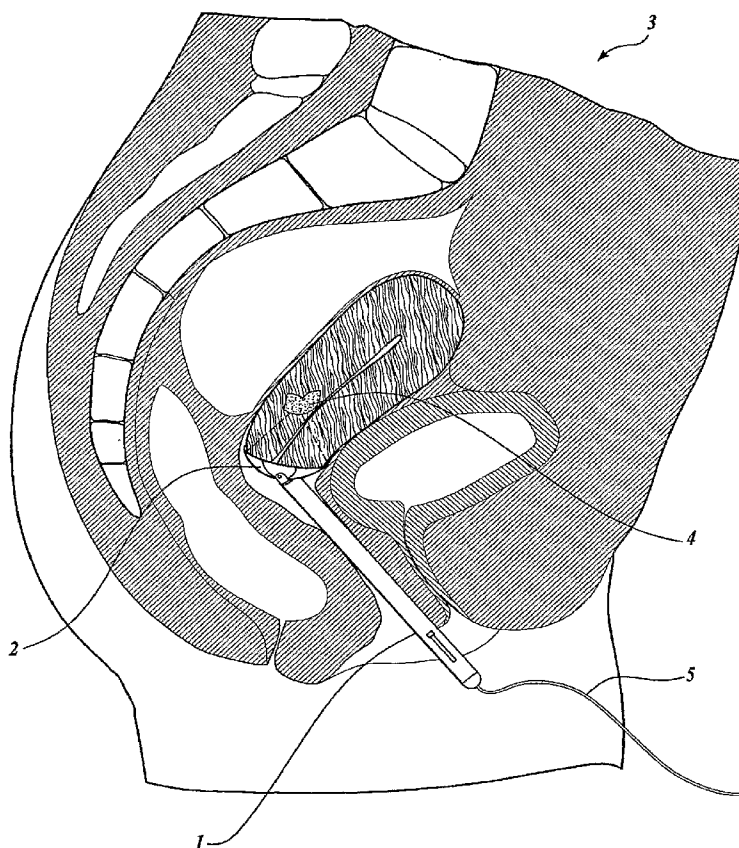
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(54) Title: APPARATUS FOR DELIVERING HIGH INTENSITY FOCUSED ULTRASOUND ENERGY TO A TREATMENT  
SITE INTERNAL TO A PATIENT'S BODY



(57) Abstract: An apparatus for delivering HIFU energy may include a probe with a plurality of leaves that provide a bowl-shaped HIFU therapy transducer. In one case, pins may slide within grooves in the leaves to deploy the leaves. In another case, spines may be configured to slide in a channel defined in each leaf. In other cases, a spring or a shape memory alloy may be used to deploy the leaves. In another implementation, a probe may be fitted with a flexible material that couples the HIFU therapy transducer to the probe and allows the transducer to be drawn to the side of the probe for insertion. In another implementation, a probe may have one or more inflatable bladders that form the HIFU therapy transducer. In yet another implementation, a probe may have an imaging component and a HIFU therapy transducer disposed thereon that rotate, as a unit, about a hinge.

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# INTERNATIONAL SEARCH REPORT

International application No.

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USPC - 600/439

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)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

MicroPatent, IP.com, DialogPro

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,461,314 B1 (PANT et al) 08 October 2002 (08.10.2002) entire document	1-33, 37-42, 45-52
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Y		34-36, 43-44
Y	US 6,740,082 B2 (SHADDUCK) 25 May 2004 (25.05.2004) entire document	34-36, 43-44
A	US 6,425,867 B1 (VAEZY et al) 30 July 2002 (30.07.2002) entire document	1-52
A	US 6,432,067 B1 (MARTIN et al) 13 August 2002 (13.08.2002) entire document	1-52
A	US 6,488,639 B1 (RIBAUULT et al) 03 December 2002 (03.12.2002) entire document	1-52
A	US 2004/0030269 A1 (HORN et al) 12 February 2004 (12.02.2004) entire document	1-52
A	US 2005/0101854 A1 (LARSON et al) 12 May 2005 (12.05.2005) entire document	1-52

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