

Title (en)

ULTRASONIC MEDICAL DEVICE AND METHOD FOR TREATING UROLITHIASIS

Title (de)

MEDIZINISCHES ULTRASCHALLGERÄT UND VERFAHREN ZUR BEHANDLUNG VON UROLITHIASIS

Title (fr)

DISPOSITIF MÉDICAL À ULTRASONS ET PROCÉDÉ POUR TRAITER LA LITHIASE URINAIRE

Publication

**EP 1746939 A1 20070131 (EN)**

Application

**EP 04752028 A 20040513**

Priority

US 2004014898 W 20040513

Abstract (en)

[origin: WO2005112770A1] An apparatus and a method for an ultrasonic medical device 11 to treat urolithiasis and ablate a stone 43. The ultrasonic medical device 11 comprises an ultrasonic probe 15 having a wire body with a proximal end 31, a distal end 24 and a longitudinal axis therebetween and a plurality of tines 65 extending from the distal end 24 of the wire body. The ultrasonic medical device 11 includes a sheath 36 capable of surrounding the wire body and the plurality of tines 65. The ultrasonic probe 15 is inserted into the sheath 36 and the ultrasonic probe 15 is moved until the plurality of tines 65 surround at least a portion of an outer surface of the stone 43. An ultrasonic energy source 99 engaged to the ultrasonic probe 15 supplies an ultrasonic energy to the ultrasonic probe 15 to produce a transverse ultrasonic vibration along at least a portion of the ultrasonic probe 15 to ablate the stone 43.

IPC 8 full level

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See references of WO 2005112770A1

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