

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
<b>CONVEYING PARTY DATA</b>															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>CHARLES A. CAIN</td> <td>10/28/2010</td> </tr> <tr> <td>TIMOTHY L. HALL</td> <td>10/28/2010</td> </tr> <tr> <td>WILLIAM W. ROBERTS</td> <td>09/28/2010</td> </tr> <tr> <td>ZHEN XU</td> <td>10/28/2010</td> </tr> <tr> <td>J. BRIAN FOWLKES</td> <td>09/23/2010</td> </tr> <tr> <td>THOMAS W. DAVISON</td> <td>11/01/2010</td> </tr> </tbody> </table>		Name	Execution Date	CHARLES A. CAIN	10/28/2010	TIMOTHY L. HALL	10/28/2010	WILLIAM W. ROBERTS	09/28/2010	ZHEN XU	10/28/2010	J. BRIAN FOWLKES	09/23/2010	THOMAS W. DAVISON	11/01/2010
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<b>CORRESPONDENCE DATA</b>															
<p>Fax Number: (248)641-0270</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 248-641-1600</p> <p>Email: kmckechnie@hdp.com</p> <p>Correspondent Name: HARNESS, DICKEY &amp; PIERCE, P.L.C.</p> <p>Address Line 1: P.O. BOX 828</p> <p>Address Line 4: BLOOMFIELD HILLS, MICHIGAN 48303</p>															
ATTORNEY DOCKET NUMBER:	2115-004456/US														
NAME OF SUBMITTER:	Krystine A. McKechnie														

CH \$40.00 12868775

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**PATENT**  
**REEL: 025233 FRAME: 0649**

**Total Attachments: 7**

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## ASSIGNMENT

WHEREAS, the undersigned, hereinafter referred to collectively as Assignor, has invented:

### DEVICES AND METHODS FOR USING CONTROLLED BUBBLE CLOUD CAVITATION IN FRACTIONATING URINARY STONES

for which Assignor is about to make or has made United States or International application for patent

- (a) ☐ executed on even date preparatory to filing (each inventor should sign this Assignment on the same day as he/she signs the Declaration);
- (b) ☐ executed on \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_; or
- (c) ☒ filed on August 26, 2010, and assigned Serial No. 12/868,775 or PCT International Application No. \_\_\_\_\_; and

WHEREAS, The Regents of The University of Michigan, 1600 Huron Parkway, 2nd Floor, Ann Arbor, Michigan 48109-2590, hereinafter referred to as Assignee, is desirous of acquiring all right, title, and interest therein:

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy whereof is hereby acknowledged, Assignor hereby confirms any prior assignment to Assignee, and to the extent that Assignor has not already done so, agrees to assign, and hereby does, sell, assign and transfer unto Assignee and its successors in interest, the full and exclusive right, title and interest in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the aforesaid application, to the aforesaid application itself, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the aforesaid application, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, and all copyright rights throughout the world in the aforesaid application and the subject matter disclosed therein, these rights, title and interest to be held and enjoyed by Assignee to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom, and the copyright rights;

Assignor hereby covenants and agrees to execute all instruments or documents required or requested for the making and prosecution of any applications of any type for patent, utility model, or other similar rights, and for copyright, in the United States and in all foreign countries including, but not limited to, any provisional, continuation, continuation-in-part, divisional, renewal or substitute thereof, and as to letters patent any reissue, re-examination, or extension thereof, and for litigation regarding, or for the purpose of protecting title and to the said invention, the United States application for patent, or Letters Patent therefor, and to testify in support thereof, for the benefit of Assignee without further or other compensation than that above set forth;

Assignor hereby covenants that no assignment, sale, license, agreement or encumbrance has been or will be entered into which would conflict with this Assignment; and

Assignor hereby requests the United States Patent and Trademark Office to issue the Letters Patent of the United States of America to Assignee, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents and applications as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Assignee.

The undersigned hereby grant(s) the law firm of Harness, Dickey & Pierce, P.L.C. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

Charles Cain  
CHARLES A. CAIN

ASSIGNMENT

State of Michigan )  
County of Washtenaw ) ss.

On this 28<sup>th</sup> day of October, 2010, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public, Tonya L. Thompson

(seal)

Acting in the County Of Washtenaw

State Of Michigan

My Commission Expires 10/8/2014

TONYA L. THOMPSON  
NOTARY PUBLIC, STATE OF MI  
COUNTY OF WASHTENAW  
MY COMMISSION EXPIRES Oct 8, 2014  
ACTING IN COUNTY OF

ASSIGNMENT

  
TIMOTHY L. HALL

State of Michigan )  
County of Washtenaw ) ss.

On this 28<sup>th</sup> day of October, 2010, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public, 

(seal)

Acting in the County Of Washtenaw

State Of Michigan

My Commission Expires 10/8/2014

TONYA Y. THOMPSON  
NOTARY PUBLIC, STATE OF MI  
COUNTY OF WASHTENAW  
MY COMMISSION EXPIRES Oct 8, 2014  
ACTING IN COUNTY OF

Attorney Docket No. 2113-004466/US

## ASSIGNMENT

William W. Roberts  
WILLIAM W. ROBERTS

State of Michigan }  
County of Washtenaw } ss.

On this 28 day of September, 2010 before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public,

Susan M. Hines

(seal)

Acting in the County Of Washtenaw

State Of

Michigan

My Commission Expires

4-6-2012

SUSAN M. HINES  
NOTARY PUBLIC, STATE OF MI  
COUNTY OF WASHTENAW  
MY COMMISSION EXPIRES Apr 6, 2012  
ACTING IN COUNTY OF

ASSIGNMENT

ZHEN XU

State of Michigan )  
County of Washtenaw ) ss.

On this 28th day of October, 2010, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Notary Public, Tanya Y. Thompson

(seal)

Acting in the County Of Washtenaw

State Of Michigan

My Commission Expires 10/8/2014

TONYA Y. THOMPSON  
NOTARY PUBLIC, STATE OF MI  
COUNTY OF WASHTENAW  
MY COMMISSION EXPIRES Oct 8, 2014  
ACTING IN COUNTY OF

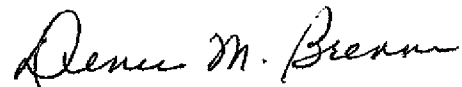
ASSIGNMENT

  
J. BRIAN FOWLKES

State of Mich )  
County of WASH ) ss.

On this 23rd day of Sept, 2010 before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.

Michigan ID # 64091238

Notary Public, 

(seal)

Acting in the County Of WASHTENAW

State Of MI

My Commission Expires 1-21-2011

Denise M. Brennan, Notary Public  
State of Michigan, County of Washtenaw  
My Commission Expires 1/21/2011  
Acting in the County of WASH



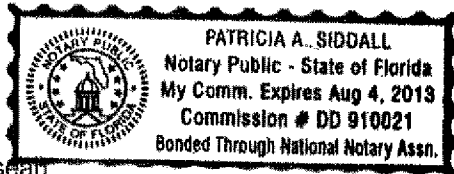
ASSIGNMENT



THOMAS W. DAVISON

State of Florida )  
County of Collier ) ss.

On this 1st day of November, 2010, before me personally appeared the foregoing individual, who executed the foregoing instrument and who acknowledged to me that he/she executed the same of his/her own free will for the purposes therein set forth.



(seal)

Notary Public,

Patricia A. Siddall

Acting in the County Of

Collier

State Of

Florida

My Commission Expires

8-4-13

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