

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|---|---------------------------------|---------------|---------------------------------|---------------------|---------------------|---------------|------------|----------------|------------|--------------|-------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Agata Exner</td> <td>06/19/2013</td> </tr> <tr> <td>Tianyi Krupka</td> <td>06/17/2013</td> </tr> <tr> <td>Luis Solorio</td> <td>06/19/2013</td> </tr> </tbody> </table> | | Name | Execution Date | Agata Exner | 06/19/2013 | Tianyi Krupka | 06/17/2013 | Luis Solorio | 06/19/2013 | | |
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| Agata Exner | 06/19/2013 | | | | | | | | | | |
| Tianyi Krupka | 06/17/2013 | | | | | | | | | | |
| Luis Solorio | 06/19/2013 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Case Western Reserve University</td> </tr> <tr> <td>Street Address:</td> <td>10900 Euclid Avenue</td> </tr> <tr> <td>City:</td> <td>Cleveland</td> </tr> <tr> <td>State/Country:</td> <td>OHIO</td> </tr> <tr> <td>Postal Code:</td> <td>44106</td> </tr> </table> | | Name: | Case Western Reserve University | Street Address: | 10900 Euclid Avenue | City: | Cleveland | State/Country: | OHIO | Postal Code: | 44106 |
| Name: | Case Western Reserve University | | | | | | | | | | |
| Street Address: | 10900 Euclid Avenue | | | | | | | | | | |
| City: | Cleveland | | | | | | | | | | |
| State/Country: | OHIO | | | | | | | | | | |
| Postal Code: | 44106 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13825941</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13825941 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13825941 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: 2166214072 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 216-621-2234 Email: jsherrill@tarolli.com Correspondent Name: Richard A. Sutkus Address Line 1: 1300 EAST NINTH STREET Address Line 2: SUITE 1700 Address Line 4: CLEVELAND, OHIO 44114 | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | CWR-019510US PCT | | | | | | | | | | |
| NAME OF SUBMITTER: | Richard A. Sutkus | | | | | | | | | | |
| Signature: | /Richard A. Sutkus/ | | | | | | | | | | |

Date:

06/20/2013

Total Attachments: 2

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ASSIGNMENT

WHEREAS, we, Agata Exner of Westlake, County of Cuyahoga, State of Ohio, Tianyi Krupka of Westlake, County of Cuyahoga, State of Ohio, and Luis Solorio of University Heights, County of Cuyahoga, State of Ohio; have made new and useful improvements in **STABILIZED NANOBUBBLES FOR DIAGNOSTIC AND THERAPEUTIC APPLICATIONS**; for which application for Letters Patent of the United States has been filed on March 25, 2013, under Serial No. 13/825,941; and

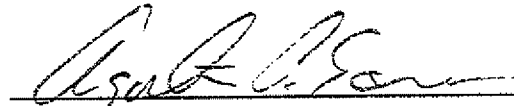
WHEREAS, Case Western Reserve University, is a tax-exempt nonprofit organization duly organized and existing under the laws of the State of Ohio, having a place of business at Cleveland, County of Cuyahoga, State of Ohio;

WHEREAS, Case Western Reserve University, Agata Exner, Tianyi Krupka, and Luis Solorio, have certain rights and responsibilities pursuant to the Case Western Reserve University Intellectual Property Policy; and

WHEREAS, the Case Western Reserve University Intellectual Property Policy provides that Case Western Reserve University owns the entire right, title and interest in and to the said improvements and all patents therefor to be obtained in the United States of America and countries foreign to the United States;

NOW THEREFORE, BE IT KNOWN that for valuable considerations to us paid, the receipt whereof is hereby acknowledged, we the said Agata Exner, Tianyi Krupka, and Luis Solorio do hereby assign unto the said Case Western Reserve University, its successors or assigns, the entire right, title and interest in and to the said improvements and any and all inventions pertaining thereto, said application Serial No. 13/825,941, for the United States patent, all patents granted therefor in the United States of America and elsewhere, and the right to apply for patents therefor in all countries foreign to the United States and to claim for such applications the priority of United States applications, and we hereby request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents, to issue such patents to the said Case Western Reserve University, its successors or assigns; and we further agree to execute such other applications and other instruments and do all other acts as may be deemed necessary by the said Case Western Reserve University, its successors or assigns in order to fully secure, protect and preserve its rights to the said improvements and to obtain patents therefor in the United States of America and all countries foreign to the United States, all without further consideration but at the expense of the said Case Western Reserve University, its successors or assigns.

Signed at Cleveland Cuyahoga, OH
County of and State of
This day 19th of June, 20 13.

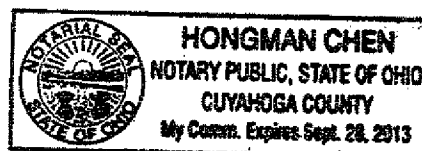


Agata Exner
STATE OF OH) COUNTY OF Cuyahoga)
On this 19th day of June, 2013.

Personally appeared before me Agata Exner to me known to be the person named in and who executed the above instrument, and acknowledged to me that she executed the same for the uses and the purposes therein mentioned.



Notary Public



Signed at
County of and State of
This day 17 of JUNE, 2013.

Tianyi Krupka
Tianyi Krupka
STATE OF) COUNTY OF
On this 17 day of JUNE, 2013.

JAMES J. KRUPKA
Notary Public, State of Ohio
Cuyahoga County
My Commission Expires June 1, 2014

Personally appeared before me Tianyi Krupka to me known to be the person named in and who executed the above instrument, and acknowledged to me that she executed the same for the uses and the purposes therein mentioned.

JJ Krupka
Notary Public

Signed at Cleveland
County of and State of Cuyahoga, OH
This day 9th of June, 20 13.

Luis Solorio
Luis Solorio
STATE OF OH) COUNTY OF Cuyahoga
On this 9th day of June, 2013.

Personally appeared before me Luis Solorio to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

[Signature]
Notary Public

