

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT								
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jan H. Hoh</td> <td>05/30/2007</td> </tr> <tr> <td>William F. Heinz</td> <td>05/30/2007</td> </tr> </tbody> </table>		Name	Execution Date	Jan H. Hoh	05/30/2007	William F. Heinz	05/30/2007		
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Jan H. Hoh	05/30/2007								
William F. Heinz	05/30/2007								
<b>RECEIVING PARTY DATA</b>									
<b>Name:</b>	The Johns Hopkins University								
<b>Street Address:</b>	3400 N. Charles Street								
<b>City:</b>	Baltimore								
<b>State/Country:</b>	MARYLAND								
<b>Postal Code:</b>	21218-2695								
<b>PROPERTY NUMBERS Total: 3</b>									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>60809625</td> </tr> <tr> <td>Application Number:</td> <td>11755187</td> </tr> <tr> <td>PCT Number:</td> <td>US0769932</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	60809625	Application Number:	11755187	PCT Number:	US0769932
Property Type	Number								
Application Number:	60809625								
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<b>CORRESPONDENCE DATA</b>									
<b>Fax Number:</b>	(312)759-5646								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
<b>Phone:</b>	3123571313								
<b>Email:</b>	jdiaz@btlaw.com								
<b>Correspondent Name:</b>	Alice O. Martin								
<b>Address Line 1:</b>	One North Wacker Drive								
<b>Address Line 4:</b>	Chicago, ILLINOIS 60606-2833								
<b>ATTORNEY DOCKET NUMBER:</b>	43369-105319								
<b>NAME OF SUBMITTER:</b>	Alice O. Martin								

**CH \$120.00 60809625**

Total Attachments: 3

**500288205**

**PATENT  
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U.S. NATIONAL / INTERNATIONAL PCT APPLICATION  
ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: 43369-105316  
43369-105319

**ASSIGNMENT**

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged,

Name(s) of Inventor(s); Conveying Party(ies)

Jan H. Hoh, 1900 Thames Street, #424, Baltimore, MD 21231

William F. Heinz, 1148 Day Road, Sykesville, MD 21784

maker(s) of an invention which is the subject of :

(Check applicable boxes and enter serial number and date if available)

- a  United States Provisional Patent Application identified by Application No. 60/809,625, filed May 31, 2006;  
a  United States Non-Provisional Patent Application identified by Application No. 11/755,187, filed May 30, 2007;  
and  
a  PCT International Application, identified by Application No. PCT/US07/69932, filed May 30, 2007, and entitled:

Title of Application

ABLATION BASED LASER MACHINING OF BIOMOLECULE PATTERNS ON SUBSTRATES

hereinafter (the "Application(s)")

Barnes & Thornburg LLP, One North Wacker Drive, Suite 4400, Chicago, Illinois 60606 is authorized to insert in parentheses (Application number \_\_\_\_\_, filed \_\_\_\_\_; and Application number \_\_\_\_\_, filed \_\_\_\_\_) the filing date and application number of said application when known.

the undersigned hereby sell(s), assign(s), and set(s) over to:

Name of Assignee(s); Receiving Party(ies);

The Johns Hopkins University

Address of principal place of business

3400 N. Charles Street

Baltimore, MD 21218-2695

U.S.A.

Insert State of Incorporation (if applicable) or "Not Applicable"

a corporation of the State of Maryland

(hereinafter designated as the Assignee) their entire right, title and interest in, to and under the Application(s) throughout the world, including all priority rights for the United States and other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application(s) and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the Application(s) in the United States and counterpart applications in foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such Applications, and also to execute separate assignments in connection with such Applications as the Assignee may deem necessary or expedient.

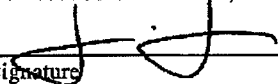
The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the Application(s), U.S. national counterparts thereof, or continuation(s), division(s), reissue(s), reexamination(s) thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting or following from said Application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith. The Assignment is effective as of May 31, 2006.

IN WITNESS WHEREOF, I have executed this assignment this 30 day of May, 2007.

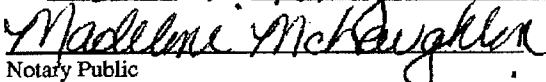
  
\_\_\_\_\_  
Inventor's Signature

Jan H. Hoh  
\_\_\_\_\_  
Printed Name

**ACKNOWLEDGMENT**

STATE OF Maryland  
COUNTY OF Anne Arundel SS:


Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal this 30<sup>th</sup> day of May, 2007.

  
Notary Public

Madeline McLaughlin  
Printed Name

My Commission Expires: July, 2008 Resident of Anne Arundel County

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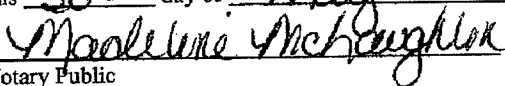
  
\_\_\_\_\_  
Inventor's Signature

William F. Heinz \_\_\_\_\_  
Printed Name

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STATE OF Maryland SS:  
COUNTY OF Anne Arundel

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\_\_\_\_\_  
Notary Public

Madeline McLaughlin  
Printed Name

My Commission Expires: July 1, 2008 Resident of Anne Arundel County