

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Daniel L. Marks	04/23/2010
Joseph B. Geddes, III	10/08/2009
Stephen A. Boppart	10/09/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	The Board of Trustees of the University of Illinois
<b>Street Address:</b>	352 Henry Administration Building
<b>Internal Address:</b>	506 South Wright Street
<b>City:</b>	Urbana
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	61801
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12582168
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)443-0004
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	617-443-9292
<b>Email:</b>	gdimeo@sunsteinlaw.com
<b>Correspondent Name:</b>	Samuel J. Petuchowski
<b>Address Line 1:</b>	125 Summer Street
<b>Address Line 2:</b>	Sunstein Kann Murphy & Timbers LLP
<b>Address Line 4:</b>	Boston, MASSACHUSETTS 02110-1618
<b>ATTORNEY DOCKET NUMBER:</b>	2895/142
<b>NAME OF SUBMITTER:</b>	Samuel J. Petuchowski
Total Attachments: 6	

CH \$40.00 12582168

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**PATENT  
 REEL: 024330 FRAME: 0181**

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ASSIGNMENT

ASSIGNOR: Daniel L. Marks  
Joseph B. Geddes III  
Stephen A. Boppart

ASSIGNEE: The Board of Trustees of the University of Illinois  
352 Henry Administration Building  
506 South Wright Street  
Urbana, IL 61801

STATE OF INCORPORATION OF ASSIGNEE: Illinois

INVENTION: Matched Pulse Stimulated Raman Scattering

ATTORNEY DOCKET: 2895/142

SERIAL NO: Not Assigned

FILING DATE: Herewith

Assignor is a joint inventor of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.

IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below.

Date: \_\_\_\_\_

\_\_\_\_\_  
Daniel L. Marks, Assignor

STATE OF \_\_\_\_\_

County of \_\_\_\_\_, ss.

\_\_\_\_\_, 2009\_\_

On this \_\_\_\_ day of \_\_\_\_\_, 2009, before me, the undersigned notary public, personally appeared Daniel L. Marks, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal

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

My commission expires:

Date: 8 October 2009

Joseph B. Geddes III  
Joseph B. Geddes III, Assignor

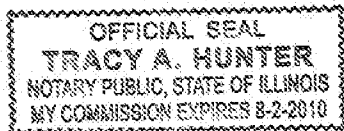
STATE OF Illinois

County of Champaign, ss.

October 8, 2009

On this 8<sup>th</sup> day of October, 2009, before me, the undersigned notary public, personally appeared Joseph B. Geddes III, proved to me through satisfactory evidence of identification, which consisted of Personally known, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal



Tracy A. Hunter  
Notary Public

My commission expires: August 2, 2010

Date: October 9, 2009

Stephen A. Boppert  
Stephen A. Boppert, Assignor

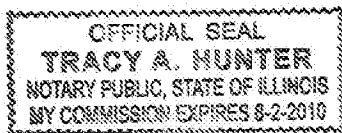
STATE OF Illinois

County of Champaign, ss.

October 9, 2009

On this 9<sup>th</sup> day of October, 2009, before me, the undersigned notary public, personally appeared Stephen A. Boppert, proved to me through satisfactory evidence of identification, which consisted of Personally known, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal



Tracy A. Hunter  
Notary Public

My commission expires: August 2, 2010

02895/00142; 1152487.1

2895/142

ASSIGNMENT

ASSIGNOR: Daniel L. Marks  
Joseph B. Geddes III  
Stephen A. Boppart

ASSIGNEE: The Board of Trustees of the University of Illinois  
352 Henry Administration Building  
506 South Wright Street  
Urbana, IL 61801

STATE OF INCORPORATION OF ASSIGNEE: Illinois

INVENTION: Matched Pulse Stimulated Raman Scattering

ATTORNEY DOCKET: 2895/142

SERIAL NO: Not Assigned

FILING DATE: Herewith

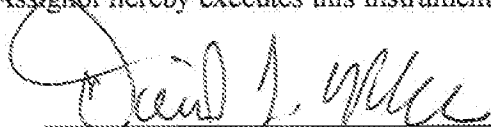
Assignor is a joint inventor of the above invention (the "Invention") described in a United States patent application (the "Application") bearing the above attorney docket number and having as a title the above name for the Invention. The Application has a Patent and Trademark Office filing date and serial number as indicated above, or if no filing date and serial number are shown, has a Declaration executed by Assignor contemporaneously with this Assignment.

For valuable consideration, receipt of which is acknowledged, each Assignor hereby assigns to Assignee (which term shall include Assignee's successors and assigns), all of Assignor's right, title and interest in the Invention, all improvements therein, the Application and all priority rights arising therefrom, and any patents, and any reissues and extensions thereof, which issue in any country upon any patent applications which correspond with any of the following: the Application, any divisional, continuation-in-whole, or substitute United States application which is based on the Application; or any continuation-in-part United States application (including divisions, continuations-in-whole or -in-part, and substitutions thereof or therefor) based in-part on any of the above described applications.

Each Assignor further agrees that such Assignor and Assignor's heirs and legal representatives will, without further consideration, cooperate with Assignee in the prosecution of all of the above applications, execute, verify, acknowledge and deliver all such further papers, including applications for patents and for reissues and extensions therefor, and instruments of assignment and transfer thereof, and will communicate any facts known to Assignor relating to the Invention, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee. Each Assignor further agrees that such Assignor will, without further compensation to Assignor during the term of such Assignor's employment by Assignee and thereafter for reasonable compensation as determined by Assignee, perform such other acts as may be reasonably required when requested by Assignee, including attending depositions, preparing and executing declarations and affidavits and testifying as a witness, to obtain or maintain or enforce patents for the Invention and improvements therein in any and all countries and to vest title thereto in Assignee.


IN WITNESS WHEREOF, each Assignor hereby executes this instrument on the date set forth below:

Date: April 23, 2010

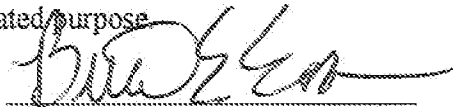
  
Daniel L. Marks, Assignor

STATE OF North Carolina

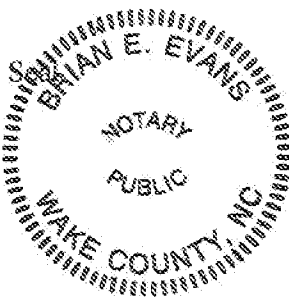
County of Wake, ss.

April 23, 2010 <sup>ID</sup> 

On this 23 day of April, 2010, before me, the undersigned notary public, personally appeared Daniel L. Marks, proved to me through satisfactory evidence of identification, which consisted of NC DL to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

  
Notary Public

My commission expires: June 20, 2012



Date: \_\_\_\_\_

\_\_\_\_\_  
Joseph B. Geddes III, Assignor

STATE OF \_\_\_\_\_

County of \_\_\_\_\_, ss. \_\_\_\_\_, 2009

On this \_\_\_\_ day of \_\_\_\_\_, 2009, before me, the undersigned notary public, personally appeared Joseph B. Geddes III, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal

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

My commission expires:

Date: \_\_\_\_\_

\_\_\_\_\_  
Stephen A. Boppart, Assignor

STATE OF \_\_\_\_\_

County of \_\_\_\_\_, ss. \_\_\_\_\_, 2009

On this \_\_\_\_ day of \_\_\_\_\_, 2009, before me, the undersigned notary public, personally appeared Stephen A. Boppart, proved to me through satisfactory evidence of identification, which consisted of \_\_\_\_\_, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he/she signed it voluntarily for its stated purpose.

Seal

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

My commission expires:

02895/00142 1152487.1

2895/142