

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3135350

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
PABLO A. VALDES	10/17/2012
KEITH D. PAULSEN	09/27/2012
DAVID W. ROBERTS	09/26/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TRUSTEES OF DARTMOUTH COLLEGE
<b>Street Address:</b>	11 ROPE FERRY ROAD, #6210
<b>City:</b>	HANOVER
<b>State/Country:</b>	NEW HAMPSHIRE
<b>Postal Code:</b>	03755-1404
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14367829
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Email:</b>	ben.horton@nortonrosefulbright.com
<b>Correspondent Name:</b>	FULBRIGHT & JAWORSKI LLP
<b>Address Line 1:</b>	98 SAN JACINTO BOULEVARD
<b>Address Line 2:</b>	SUITE 1100
<b>Address Line 4:</b>	AUSTIN, TEXAS 78701
<b>ATTORNEY DOCKET NUMBER:</b>	NROR.P0199US/11406473
<b>NAME OF SUBMITTER:</b>	BEN HORTON
<b>SIGNATURE:</b>	/Ben Horton/
<b>DATE SIGNED:</b>	12/05/2014
<b>Total Attachments: 4</b>	
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A S S I G N M E N T

WHEREAS, we, Pablo A. Valdes residing at 7 South Street, Apt. F., Hanover, New Hampshire 03755, Keith D. Paulsen residing at 8 Ledyard Lane, Hanover, New Hampshire 03755 and David W. Roberts residing at 11 Highbridge Road, Lyme, New Hampshire 03768, hereinafter referred to as assignors, are co-inventors of certain inventions or improvements for which we have made application for Letters Patent of the United States, identified as Serial No. 61/579,200, filed December 22, 2011, entitled Stereotactic Biopsy Guided by Quantitative Optical Spectroscopy; and

WHEREAS, Trustees of Dartmouth College, hereinafter referred to as the assignee, of 11 Rope Ferry Road, #6210 Hanover, New Hampshire 03755-1404 is desirous of acquiring the co-inventors' right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over their rights to said assignee, the right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application or any other application based in whole or in part thereon and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and

without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees or legal representatives, and we agree to communicate to said assignee, or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing, reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patents of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals.

  
Pablo A. Valdes

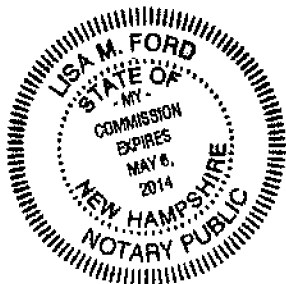
(L.S.)

New Hampshire:  
COUNTY OF Grafton:

Signed and Sealed

On this 17<sup>th</sup> day of October, 2012, before me personally came the above named **Pablo A. Valdes** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.


  
Notary Public



  
\_\_\_\_\_  
Keith D. Paulsen (L.S.)

New Hampshire :  
COUNTY OF Grafton : Signed and Sealed

On this 27<sup>th</sup> day of September, 2012, before me personally came the above named Keith D. Paulsen to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

  
\_\_\_\_\_  
Notary Public  
**MELISSA D. ROBB**  
NOTARY PUBLIC  
STATE OF NEW HAMPSHIRE  
My Commission Expires  
May 20, 2014

\_\_\_\_\_  
David W. Roberts (L.S.)

\_\_\_\_\_  
COUNTY OF \_\_\_\_\_ : Signed and Sealed

On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me personally came the above named David W. Roberts to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.


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

\_\_\_\_\_  
Keith D. Paulsen (L.S.)

\_\_\_\_\_: Signed and Sealed  
COUNTY OF \_\_\_\_\_:


On this \_\_\_\_\_ day of \_\_\_\_\_, 2012, before me personally came the above named **Keith D. Paulsen** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

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

  
\_\_\_\_\_  
David W. Roberts (L.S.)

New Hampshire:  
COUNTY OF Gratton: Signed and Sealed

On this 26<sup>th</sup> day of September, 2012, before me personally came the above named **David W. Roberts** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

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

MELISSA D. ROBB  
NOTARY PUBLIC  
STATE OF NEW HAMPSHIRE  
My Commission Expires  
May 20, 2014