

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Nancy J. HALAS</td><td>07/09/2007</td></tr><tr><td>Don H. JOHNSON</td><td>06/27/2007</td></tr><tr><td>Sandra Whaley BISHNOI</td><td>06/21/2007</td></tr><tr><td>Carly S. LEVIN</td><td>06/20/2007</td></tr><tr><td>Christopher John ROZELL</td><td>06/26/2007</td></tr><tr><td>Bruce R. JOHNSON</td><td>06/25/2007</td></tr></tbody></table>	Name	Execution Date	Nancy J. HALAS	07/09/2007	Don H. JOHNSON	06/27/2007	Sandra Whaley BISHNOI	06/21/2007	Carly S. LEVIN	06/20/2007	Christopher John ROZELL	06/26/2007	Bruce R. JOHNSON	06/25/2007	
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Bruce R. JOHNSON	06/25/2007														
RECEIVING PARTY DATA															
Name:	William Marsh Rice University														
Street Address:	6100 Main Street														
City:	Houston														
State/Country:	TEXAS														
Postal Code:	77005														
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>11762430</td></tr></tbody></table>	Property Type	Number	Application Number:	11762430											
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Application Number:	11762430														
CORRESPONDENCE DATA															
Fax Number:	(972)731-2289														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	(972) 731-2288														
Email:	rcarroll@dfw.conleyrose.com														
Correspondent Name:	Rodney B. Carroll														
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Address Line 4:	Plano, TEXAS 75024														
ATTORNEY DOCKET NUMBER:	26071 (1789-17201)														
NAME OF SUBMITTER:	Rodney B. Carroll														

CH \$40.00 11762430

PATENT

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REEL: 019557 FRAME: 0530

Total Attachments: 7

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PATENT

REEL: 019557 FRAME: 0531

ASSIGNMENT

WHEREAS, we, **Nancy J. Halas, Don H. Johnson, Sandra Whaley Bishnoi, Carly S. Levin, Christopher John Rozell and Bruce R. Johnson**, are joint inventors of **An All Optical Nanoscale Sensor**, which is the subject of United States Patent Application Serial No. 11/762,430, filed on June 13, 2007, Attorney File No. 26071 (1789-17201), and

WHEREAS, **William Marsh Rice University**, a university doing business at 6100 Main Street, Houston, TX 77005, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention throughout the world, and all right, title and interest in, to and under any and all Letters Patent of the United States and all other countries throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, transfer and set over to **William Marsh Rice University**, all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters Patent, and any and all divisions, continuations, provisional, non-provisional, regular, and reissues thereof, and any and all Letters Patent of the United States and foreign countries which may be granted therefor, the same to be held and enjoyed by **William Marsh Rice University** for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the end of the term or terms for which said Letters Patent of the United States or foreign countries are or may be granted or reissued, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States on said invention or resulting from said application and from any and all divisions, continuations, provisional, non-provisional, regular, and reissues thereof, to **William Marsh Rice University**, as assignee of our entire interest, and hereby covenant that we have the full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith.

And we further hereby covenant and agree that we will, at any time, upon request, execute and deliver any and all papers that may be necessary or desirable to perfect the title of said invention and to such Letters Patent as may be granted therefor, to **William Marsh Rice University**, its successors, assigns, or other legal representatives and that if **William Marsh Rice University**, its successors, assigns or other legal representatives shall desire to file any divisional or continuation applications or to secure a reissue of such Letters Patent, or to file a disclaimer relating thereto, will upon request, sign all papers, make all rightful oaths and do all lawful acts requisite for the filing of such divisional or continuation application, or such application for reissue and the procuring thereof, and for the filing of such disclaimer, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

And we do further covenant and agree that we will, at any time upon request, communicate to **William Marsh Rice University**, its successors, assigns or other legal representatives, such facts relating to said invention and Letters Patent or the file history thereof as may be known to us, and testify as to the same in any interference or other litigation when

requested so to do, without further compensation but at the expense of said assignee, its successors, or other legal representatives.

EXECUTED on the date indicated below, opposite my signature.

ASSIGNOR

Date: 7/9/07

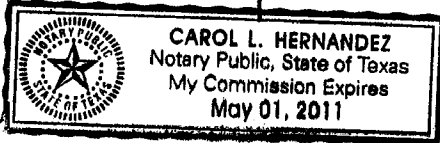
Nancy J. Halas
Nancy J. Halas

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared **Nancy J. Halas**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 9th day of July, 2007.

[SEAL]



My Commission Expires:

Carol L. Hernandez
Notary Public in and for
the State of T E X A S

ASSIGNOR

Date: June 27, 2007

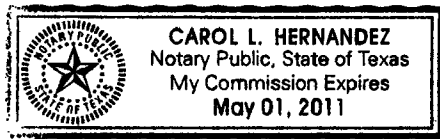
Don H. Johnson
Don H. Johnson

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared **Don H. Johnson**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 27th day of June, 2007.

[S E A L]



My Commission Expires:

Carol L. Hernandez
Notary Public in and for
the State of T E X A S

ASSIGNOR

Date: 6/21/07

Sandra W. Bishnoi
Sandra Whaley Bishnoi

THE STATE OF ILLINOIS §
 §
COUNTY OF Cook §

BEFORE ME, the undersigned authority, on this day personally appeared **Sandra Whaley Bishnoi**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 21 day of JUNE, 2007.



My Commission Expires:

7/29/07

[Signature]
Notary Public in and for
the State of ILLINOIS

ASSIGNOR

Date: 06/20/07

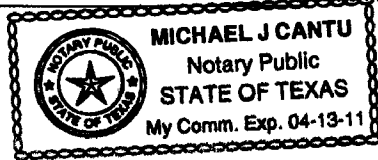
Carly S. Levin
Carly S. Levin

THE STATE OF TEXAS §
 §
COUNTY OF BRAZORIA §

BEFORE ME, the undersigned authority, on this day personally appeared Carly S. Levin, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 20 day of June, 2007.

[SEAL]



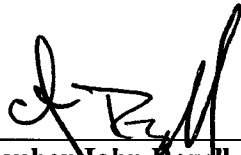
Michael J Cantu
Notary Public in and for
the State of TEXAS

My Commission Expires:

4-13-11

ASSIGNOR

Date: 6/26/07


Christopher John Rozell

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

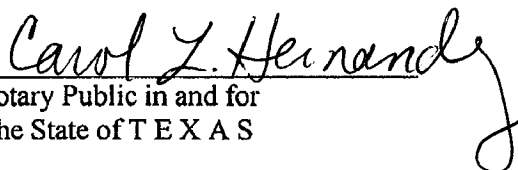
BEFORE ME, the undersigned authority, on this day personally appeared Christopher John Rozell, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 26th day of June, 2007.

[SEAL]



My Commission Expires:


Notary Public in and for
the State of TEXAS

ASSIGNOR

Date: 6/25/07

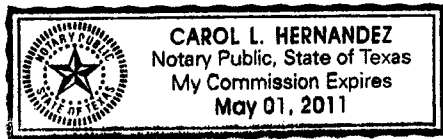
Bruce R. Johnson
Bruce R. Johnson

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared **Bruce R. Johnson**, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 25th day of June, 2007.

[SEAL]



My Commission Expires:

Carol L. Hernandez
Notary Public in and for
the State of TEXAS
