

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Stephen So	03/31/2009
Gerard Wysocki	03/31/2009
J. Patrick Frantz	04/15/2009
Frank K. Tittel	03/25/2009

RECEIVING PARTY DATA

Name:	William Marsh Rice University
Street Address:	6100 Main St.
City:	Houston
State/Country:	TEXAS
Postal Code:	77005

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12440373

CORRESPONDENCE DATA

Fax Number: (972)731-2289
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
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 Correspondent Name: Rodney B. Carroll
 Address Line 1: 5601 Granite Parkway Suite 750
 Address Line 4: Plano, TEXAS 75024

ATTORNEY DOCKET NUMBER:	26067-03 (1789-17502)
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NAME OF SUBMITTER:	Rodney B. Carroll
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Total Attachments: 5
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**PATENT
 REEL: 022549 FRAME: 0068**

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ASSIGNMENT

WHEREAS, we, **Stephen So, Gerard Wysocki, J. Patrick Frantz, and Frank K. Tittel**, are joint inventors of **Integrated Embedded Processor Based Laser Spectroscopic Sensor**, which is the subject of United States Patent Application No. 12/440,373, filed on March 6, 2009, Attorney File No. 26067-03 (1789-17502), which is a filing under 35 U.S.C. 371 of International Application No. PCT/US06/39282 filed on October 6, 2006, which claimed priority to United States Provisional Application No. 60/824,843 filed on September 7, 2006, 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;

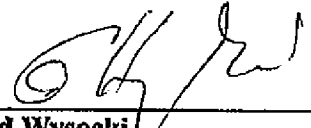
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby sell, assign, transfer and set over to **William Marsh Rice University**, all right, title and interest in and to the said invention throughout the world, and said application for U.S. Letters 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.

ASSIGNOR

Date: 3/3/09



Gerard Wysocki

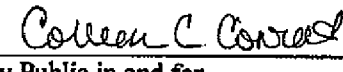
THE STATE OF NEW JERSEY
COUNTY OF MERCER

BEFORE ME, the undersigned authority, on this day personally appeared Gerard Wysocki, 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 3rd day of March 2009.

[SEAL]

My Commission Expires:



Notary Public in and for
the State of NEW JERSEY

COLLEEN C. CONRAD
NOTARY PUBLIC OF NEW JERSEY
MY COMMISSION EXPIRES 9/10/2013

ASSIGNOR:

Date: APRIL 15, 2009

Signature:



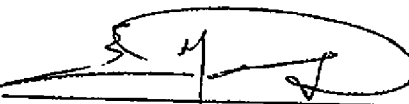
J. Patrick Frantz

WITNESS:

Date: APRIL 15, 2009

Signature:

Name:



Hiroshi Tachikawa

ASSIGNOR

Date: 03/25/2009

Frank K. Tittel
Frank K. Tittel

THE STATE OF TEXAS

COUNTY OF HARRIS

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BEFORE ME, the undersigned authority, on this day personally appeared **Frank K. Tittel**, 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 MARCH 2009.

[SEAL]

My Commission Expires:

3/2/10

Joyce L. Galiette
Notary Public in and for
the State of TEXAS

