

**PATENT ASSIGNMENT**

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Anita Mahadevan-Jansen	05/17/2011
Lisa White	06/08/2011
John Phay	06/06/2011
Constantine A. Paras	05/17/2011
Elizabeth Kanter Bartz	06/03/2011
Matthew D. Keller	05/06/2011
Nicole Gasparino	06/01/2011
Jennifer G. Whisenant	06/14/2011

**RECEIVING PARTY DATA**

<b>Name:</b>	Vanderbilt University
<b>Street Address:</b>	1207 17th Avenue South, Suite 105
<b>City:</b>	Nashville
<b>State/Country:</b>	TENNESSEE
<b>Postal Code:</b>	37212

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	13056469

**CORRESPONDENCE DATA**

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**Address Line 4:** ATLANTA, GEORGIA 30326

**CH \$40.00 13056469**

ATTORNEY DOCKET NUMBER:	14507-77502
NAME OF SUBMITTER:	TIM T. XIA
<p>Total Attachments: 11 source=14506-77502 Assignment#page1.tif source=14506-77502 Assignment#page2.tif source=14506-77502 Assignment#page3.tif source=14506-77502 Assignment#page4.tif source=14506-77502 Assignment#page5.tif source=14506-77502 Assignment#page6.tif source=14506-77502 Assignment#page7.tif source=14506-77502 Assignment#page8.tif source=14506-77502 Assignment#page9.tif source=14506-77502 Assignment#page10.tif source=14506-77502 Assignment#page11.tif</p>	

**ASSIGNMENT**

**THIS ASSIGNMENT**, made by

**Anita Mahadevan-Jansen**  
7517 Hallows Dr.  
Nashville, Tennessee 37235  
U.S.A.

**Lisa White**  
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**John Phay**  
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**Constantine A. Paras**  
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**Matthew D. Keller**  
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Kirkland, Washington 98034  
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**Nicole Gasparino**  
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U.S.A.

**Jennifer G. Whisenant**  
553 Rosedale Avenue  
Unit 112  
Nashville, Tennessee 37211  
U.S.A.

**WHEREAS**, Assignors have invented certain new and useful improvements in INTRA-OPERATIVE USE OF FLUORESCENCE SPECTROSCOPY APPLICATIONS OF SAME, set forth in a Patent application for which an U.S. National Phase Patent Application was filed on January 28, 2011, 13/056,469; and

**WHEREAS**, Vanderbilt University, a Corporation organized under and pursuant to the laws of Tennessee having its principal place of business at 1207 17th Avenue South, Suite 105, Nashville, Tennessee 37212 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

**AND** for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

**AND** for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the

procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors warrant and represent that the Assignors individually are not aware of any information that is material to patentability of the invention, namely, any information that, alone or in combination with other information, establishes on its face the unpatentability of the Invention or is inconsistent with arguments of patentability made to the U.S. Patent & Trademark Office. Material information may include devices, products, publications, and so forth, that are similar to the present invention, and/or any public disclosure, commercial use, or offer for sale more than one year prior to the filing date of the present application.

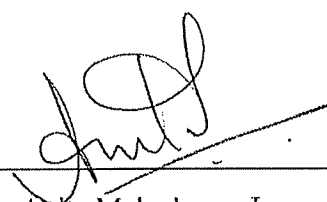
AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

MORRIS, MANNING & MARTIN, LLP

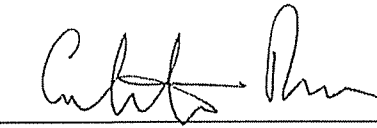
All practitioners at Customer Number 24728

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: 5/17/2011 Signature:   
Anita Mahadevan-Jansen

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Lisa White

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
John Phay

Date: 5/17/11 Signature:   
Constantine A. Paras

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

Elizabeth Kanter

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

Matthew D. Keller

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

Nicole Gasparino

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

Jennifer G. Whisenant

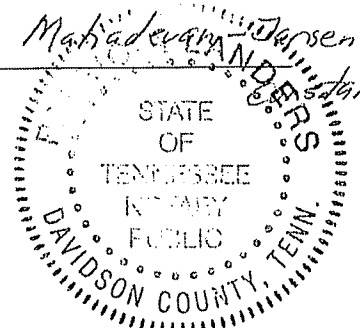
STATE OF TENNESSEE  
COUNTY OF DAVIDSON

Before me, a Notary Public, in and for said State and County, personally appeared  
who swears that the statements made in the foregoing document are true and correct.

Witness my hand and Notarial Seal this 17<sup>th</sup> day of May, 2011.

Patricia Landers  
Patricia Landers  
My commission expires 8/23/2011

Anita Mahadevan, Jansen and  
Christine A Pares



3027516 v01

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

MORRIS, MANNING & MARTIN, LLP  
All practitioners at Customer Number 24728

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Anita Mahadevan-Jansen

Date: June 8, 2011 Signature: Lisa White  
Lisa White

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
John Phay

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Constantine A. Paras



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MORRIS, MANNING & MARTIN, LLP  
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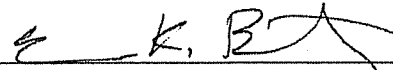
Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Anita Mahadevan-Jansen

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Lisa White

Date: 6/26/11 Signature: \_\_\_\_\_  
John Phay

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Constantine A. Paras

Date: 6/3/2011 Signature: \_\_\_\_\_



Elizabeth Kanter Bartz

EKB 6/3/11

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

Matthew D. Keller

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

Nicole Gasparino

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

Jennifer G. Whisenant

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

Elizabeth Kanter

Date: 5-6-11 Signature: 

Matthew D. Keller

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

Nicole Gasparino

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

Jennifer G. Whisenant

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

Elizabeth Kanter

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

Matthew D. Keller

Date: 6/1/11 Signature: Nicole Gasparino

Nicole Gasparino

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

Jennifer G. Whisenant

VU 01 09  
Whisenant

Attorney Docket No.: 14506-77502

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Elizabeth Kanter

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Matthew D. Keller

Date: \_\_\_\_\_ Signature: \_\_\_\_\_  
Nicole Gasparino

Date: 6/14/11 Signature:   
Jennifer G. Whisenant

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