PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
VADIM BACKMAN	04/10/2014
JI YI	05/02/2014

RECEIVING PARTY DATA

Name:	NORTHWESTERN UNIVERSITY
Street Address:	633 CLARK STREET
City:	EVANSTON
State/Country:	ILLINOIS
Postal Code:	60208

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13651196

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ATTORNEY DOCKET NUMBER:	NWN01-022-US
NAME OF SUBMITTER:	DANIEL W. CELANDER
SIGNATURE:	/Daniel W. Celander/
DATE SIGNED:	05/02/2014

Total Attachments: 2

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PATENT REEL: 032814 FRAME: 0175

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ASSIGNMENT

WHEREAS, WE, VADIM BACKMAN AND JI YI (hereinafter collectively referred to as "ASSIGNORS") have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of U.S. Patent Application: Biological Tissue Analysis by Inverse Spectroscopic

Optical Coherence Tomography

Serial Number: 13/651,196 Filing Date: October 12, 2012

WHEREAS, Northwestern University, an Illinois not-for-profit corporation, having a place of business at 633 Clark Street, Evanston, Illinois 60208, hereinafter referred to as "ASSIGNEE," is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, or prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full extent and term of any Letters Patent.

ASSIGNORS further agree that ASSIGNORS will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed ASSIGNORS' names to this Assignment on the date indicated below.

Talen Mes	~	4/10/14
VADIM BACKMAN	Marketine of the second of the	DATE
State of Illians		
County of Cook	 \$\$. 	
On this <u>ED</u> day of aforesaid, appeared, to me per and acknowledged that he or spurposes therein expressed.	Opr:\ sonàlly knowr the executed sa	2014, before me, a Notary Public in and for the County and State to be the same person whose name is subscribed to the foregoing instrument aid instrument as his or her free and voluntary act and for the uses and NOTARY PUBLIC
[NOTARY SEAL]		My Commission Expires: 10/33/16
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PATENT REEL: 032814 FRAME: 0176

Assignment for Execution

Title of U.S. Patent Application: Biological Tissue Analysis by Inverse Spectroscopic

Optical Coherence 'fomography

Serial Number: 13/651,196 Filing Date: October 12, 2012

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JĮYĮ		DATE	
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NOTARY PUBLIC

[NOTARY SEAL]

My Commission Expires: __ 10/43/16

OFFICIAL SEAL
MOLLY E SCANLON
NOTARY PUBLIC - STATE OF ILLINOIS
MY COMMISSION EXPIRES 10/23/16