

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT4737371

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YOUNGKYO O JUNG	04/04/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	WAKE FOREST UNIVERSITY HEALTH SCIENCES
<b>Street Address:</b>	MEDICAL CENTER BLVD.
<b>City:</b>	WINSTON-SALEM
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	27157
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15843708
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(919)854-1401
<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>Phone:</b>	919-854-1400
<b>Email:</b>	mspinelli@myersbigel.com
<b>Correspondent Name:</b>	MYERS BIGEL, P.A.
<b>Address Line 1:</b>	PO BOX 37428
<b>Address Line 4:</b>	RALEIGH, NORTH CAROLINA 27627
<b>ATTORNEY DOCKET NUMBER:</b>	9151-192TSXCT
<b>NAME OF SUBMITTER:</b>	JULIE H. RICHARDSON
<b>SIGNATURE:</b>	/Julie H. Richardson/
<b>DATE SIGNED:</b>	12/15/2017
<b>Total Attachments: 3</b>	
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**ASSIGNMENT**

THIS ASSIGNMENT, made by me, **Youngkyoo Jung**, a citizen of The Republic of Korea, residing in Winston-Salem, North Carolina;

WITNESSETH: That,

WHEREAS, I am the sole inventor of certain new and useful improvements in **VASCULAR TERRITORY SEGMENTATION USING MUTUAL CLUSTERING INFORMATION FROM IMAGE SPACE AND LABEL SPACE** for which an application has been filed as a PCT application with the United States Patent and Trademark Office as the International Receiving Office on March 5, 2014, having PCT Application No. PCT/US2014/020552; and

WHEREAS, **Wake Forest University Health Sciences**, an educational institution organized and existing under and by virtue of the laws of the state of North Carolina and engaged in business at Medical Center Blvd., Winston-Salem, North Carolina 27157, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application(s), and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

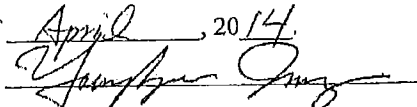
NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold and by these presents do hereby sell, assign, transfer, and convey unto the said Assignee, its successors and assigns, the entire right, title, and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

I hereby request that said Letters Patent be issued in accordance with this assignment.

I further covenant and agree that, at the time of the execution and delivery of these presents, I possess full title to the invention and application(s) above-mentioned, and that I have the unencumbered right and authority to make this assignment.

I further covenant and agree to communicate to said Assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors, or assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns, and other legal representatives; and I hereby instruct, and further covenant and agree to bind my heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said Assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set my hand and seal on this 4th day of April, 2014.

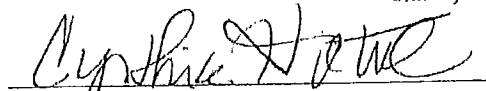
  
\_\_\_\_\_  
Youngkyoo Jung (SEAL)

STATE OF NORTH CAROLINA )

) ss:

COUNTY OF FORSYTH )

Before me personally appeared the person described in and who executed the foregoing instrument, and he acknowledged to me that he executed the same for the purposes therein stated, this 8th day of April, 2014.

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

My Commission Expires: 12/22/2018



IN WITNESS WHEREOF, Wake Forest University Health Sciences, by signature below on this 14 day of May, 2014, hereby acknowledges and accepts receipt of this Assignment. The undersigned warrants and represents that he/she has the authority to sign this Assignment on behalf of the Assignee.

By: Michael Batalia (SEAL)

Printed Name: Michael Batalia

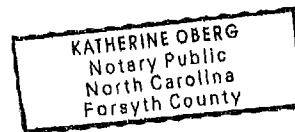
Title: Executive Director

STATE OF North Carolina )

COUNTY OF Forsyth)

Before me personally appeared the person described in and who executed the foregoing instrument, and he/she acknowledged to me that he/she executed the same for the purposes therein stated, this 14 day of May, 2014

Katherine Oberg  
Notary Public  
SEAL



My Commission Expires: 10/19/2015