503274335 04/22/2015

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3320953

NATURE OF CONVEYANCE: Corrective Assignment to correct the INTERNAL ADDRESS OF THE RECEIVING PARTY; AND DATE OF EXECUTION FOR INVENTOR BINSHENG ZHAO previously recorded on Reel 034242 Frame 0840. Assignor(s) hereby confirms the CORRECT RECEIVING PARTY	SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
	NATURE OF CONVEYANCE:	RECEIVING PARTY; AND DATE OF EXECUTION FOR INVENTOR BINSHENG ZHAO previously recorded on Reel 034242 Frame 0840. Assignor(s) hereby confirms the CORRECT RECEIVING PARTY INTERNAL ADDRESS IS: 535 WEST 116TH STREET; CORRECT DATE

CONVEYING PARTY DATA

Name	Execution Date
YONGQIANG TAN	04/26/2013
BINSHENG ZHAO	04/26/2013
LAWRENCE H SCHWARTZ	04/26/2013

RECEIVING PARTY DATA

Name:	THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK
Street Address:	412 LOW MEMORIAL LIBRARY
Internal Address:	535 WEST 116TH STREET
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10027

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14394098

CORRESPONDENCE DATA

Fax Number:

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.

Email: empllc@evansmolinelli.com
Correspondent Name: EVANS & MOLINELLI PLLC

Address Line 1: P.O. BOX 231

Address Line 4: MANASSAS, VIRGINIA 20108

ATTORNEY DOCKET NUMBER:	P5187US01
NAME OF SUBMITTER:	DOROTHY ALTMILLER
SIGNATURE:	/Dorothy Altmiller/
DATE SIGNED:	04/22/2015

PATENT REEL: 035476 FRAME: 0098

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Total Attachments: 3

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PATENT REEL: 035476 FRAME: 0099

ASSIGNMENT OF PATENT APPLICATION

FOR GOOD AND VALUABLE CONSIDERATION, receipt of which is hereby expressly acknowledged, we, the undersigned (each) have agreed and hereby agree to assign, and do hereby sell, assign and transfer unto

The Trustees of Columbia University in the City of New York

having its principal place of business at 412 Low Memorial Library, Mail Code 4308, New York City, NY 10027, a corporation organized under the laws of the state of New York as Assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to

Techniques for Segmentation of Lymph Nodes, Lung Lesions and Other Solid or Part-Solid Objects

described in an application for Letters Patent of the United States, identified as Attorney Docket No. <u>P5187PC00</u>, at Evans & Molinelli PLLC, 9215 Prescott Ave., Manassas, Virginia 20110 and filed on <u>4/11/2013</u> as Application Serial No. <u>PCT/US13/36258</u>; and described in an application for Letters Patent of the United States, identified as Attorney Docket No. <u>P5190US00</u>, at Evans & Molinelli PLLC, 9215 Prescott Ave., Manassas, Virginia 20110 and filed on <u>4/11/2012</u> as Application Serial No. <u>61/622,989</u>; and described in an application for Letters Patent of the United States, identified as Attorney Docket No. <u>P5190US00</u>, at Evans & Molinelli PLLC, 9215 Prescott Ave., Manassas, Virginia 20110 and filed on <u>4/11/2012</u> as Application Serial No. <u>61/622,998</u>; and the invention(s) and improvement(s) set forth therein, and any and all continuations, continuations-in-part, divisionals, international applications, and renewals of and substitutes for said application for said Letters Patent, and all the rights and privileges under any and all Letters Patent that may be granted therefor in any country, and any reissues, or reexaminations, or extensions of said Letters Patent. We request that any and all Letters Patent for said inventions be issued to said Assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said Assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said Assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said Assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said Assignee or nominee to claim the aforesaid benefit of the right of priority provided by the International convention which may henceforth be substituted for it.

We covenant with said Assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

IN WITNESS WHEREOF, we have hereunto signed our names on the day and year set forth below.

PATENT REEL: 035476 FRAME: 0100

ASSIGNMENT OF PATENT APPLICATION

Jonggiang Tan Inventor's Signature	4/26/2013 DATE	
Yongqiang Tan Inventor's Printed Name		
	Witness Signature Jing Qi Witness Printed Name	4-26-2013 DATE
Inventor's Signature Binsheng Zhao Inventor's Printed Name	04/26/2013 DATE	
	Witness Signature	4-26-2013 DATE
Inventor's Signature Lawrence H. Schwartz Inventor's Printed Name	4-26-13 DATE	
	Witness Signature Exclusive to gea Witness Printed Name	<u>4-26-13</u> DATE

PATENT REEL: 035476 FRAME: 0101

503073072 11/23/2014

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3119676

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YONGQIANG TAN	04/26/2013
BINSHENG ZHAO	04/26/2014
LAWRENCE H SCHWARTZ	04/26/2013

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ATTORNEY DOCKET NUMBER:	P5187US01	
NAME OF SUBMITTER:	DOROTHY ALTMILLER	
SIGNATURE:	/Dorothy Altmiller/	
DATE SIGNED:	11/23/2014	

Total Attachments: 2

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PATENT
RECORDED: 04/22/2015 REEL: 035476 FRAME: 0102