PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT2980270

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
GE WANG	07/01/2014
YONG XU	06/27/2014
ALEXANDER CONG	06/25/2014
HAIOU H. SHEN	06/28/2014
WENXIANG CONG	08/11/2014
LIN YANG	06/27/2014
YANG LU	06/26/2014

RECEIVING PARTY DATA

Name:	Virginia Polytechnic Institute and State University
Street Address:	301 Burruss Hall
City:	Blacksburg
State/Country:	VIRGINIA
Postal Code:	24061

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12945733

CORRESPONDENCE DATA

Fax Number: (540)951-5292

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.

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ATTORNEY DOCKET NUMBER:	VTIP 09-139
NAME OF SUBMITTER:	MARK S. COBURN
SIGNATURE:	/MARK S. COBURN/
DATE SIGNED:	08/12/2014

Total Attachments: 7

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Serial Number: 12/945,733

ASSIGNMENT

WHEREAS, I/we, the below-named inventor(s) (hereinafter referred to as ASSIGNORS) whose residence address is stated below, have invented certain new and useful improvements in an invention entitled:

Extended Interior Methods and Systems For Spectral, Optical, and Photoacoustic Imaging

for which an application for United States Letters Patent Serial No. <u>12/945,733</u> has been filed on November 12, 2010; and

WHEREAS, Virginia Polytechnic Institute and State University, (hereinafter referred to as ASSIGNEE), an institute of higher education organized under the laws of the Commonwealth of Virginia, having an office and principal place of business at 301 Burruss Hall, Blacksburg, Virginia, 24061, is desirous of acquiring the entire right, title and interest in, to and under said application and said invention and in, to and under Letters Patent or similar legal protection to be obtained therefore in the United States and in any and all foreign countries.

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer to ASSIGNEE, its lawful successors and assigns, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries and any non-provisional applications claiming the benefit of said application to be obtained for said invention by said application or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorize and request the Commissioner of Patents of the United States and any official of any foreign country whose duty it is to issue patents or legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue, enforce and defend said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

VTIP 09-139 Serial Number: 12/945,733	
Full Name of Inventor: Ge Wang Residence: 27 Dyke Road, Latham, NY 12110	manage 1 1 (
Signature:	Date:
Full Name of Inventor: Yong Xu Residence: 313 Cedar Hill Dr., Blacksburg, VA 24060	
Signature:	Date:
Full Name of Inventor: Alexander Cong Residence:	
Signature:	Date:
Full Name of Inventor: Haiou H. Shen Residence: 114 Canterbury Court, Blacksburg, VA 24060 Signature:	
Full Name of Inventor: Wenxiang Cong Residence: 9 Keystone Court, Albany, NY 12205	
Signature:	Date:
Full Name of Inventor: Lin Yang Residence:	
Signature:	Date:
Full Name of Inventor: Yang Lu Residence:	
Signature:	Date:

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Signature:	Date:
Full Name of Inventor: Haiou H. Shen Residence: 114 Canterbury Court, Blacksburg, VA 24060 Signature:	_ Date:
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Signature:	Date:
Full Name of Inventor: Yang Lu Residence:	
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Full Name of Inventor: Yong Xu Residence: 313 Cedar Hill Dr., Blacksburg, VA 24060		
Signature:	_ Date: _	
Full Name of Inventor: Alexander Cong Residence:		as ASMGINETEL 3 of Virginia, havin Virginia, 74,943 interior ,
Signature:	_ Date: _	
Full Name of Inventor: Haiou H. Shen Residence: 114 Canterbury Court, Blacksburg, VA 24060 Signature:	_ Date: _	290000020
Full Name of Inventor: Wenxiang Cong Residence: 9 Keystone Court, Albany, NY 12205 Signature: Wenxiang Cong	Date:	08/11/2014
Full Name of Inventor: Lin Yang Residence:		
Signature:	_ Date:	
Full Name of Inventor: Yang Lu Residence:		- Tab
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Full Name of Inventor: Ge Wang	,
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Full Name of Inventor: Wenxiang Cong Residence: 9 Keystone Court, Albany, NY 12205	
Signature:	Date:
Full Name of Inventor: Lin Yang Residence: 20 Descanso Drive, Unit 1231, San Jose, CA 95 Signature:	134 Date: <u>6/27/2014</u>
Full Name of Inventor: Yang Lu Residence:	
O'concitation	Date:

Serial Number: 12/945,733

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Full Name of Inventor: Ge Wang Residence: 27 Dyke Road, Latham, NY 12110	
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Full Name of Inventor: Lin Yang Residence:	
	Ditte
Signature:	Date:
Full Name of Inventor: Yang Lu Residence: Room 204, No. 24, Lane 381, Qinzhounan Road	, Shanghai, China 200235
Signature: Yang Lu	Date: June 26, 2014

PATENT REEL: 033527 FRAME: 0899

RECORDED: 08/13/2014

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