

RPI-126US

Form PTO-1595 (Rev. 06/04) (AW 09/2004)  
(Exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark OfficeRECORDATION FORM COVER SHEET  
**PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**Bradley Ferguson  
Shaohong Wang  
Xi-Cheng ZhangExecution Date(s) 09/14/04; 10/04/04; 09/10/04Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO**2. Name and address of receiving party(ies):**Name: Rensselaer Polytechnic Institute

Internal Address: \_\_\_\_\_

Street Address: 110 8<sup>th</sup> StreetCity: TroyState: New YorkZip: 12180-3590Country: USAAdditional name(s) & address(es) attached? ☐ YES ☒ NO**3. Nature of Conveyance:**

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Correction of Assignment Recordation  
 (previously recorded at Reel \_\_\_\_\_, Frame \_\_\_\_\_)  
☐ Other

**4. Application or patent number(s):** ☐ This document is being filed together with a new application.A. Patent Application Number(s) 10/844,105

B. Patent Number(s) \_\_\_\_\_

Additional number(s) attached? ☐ YES ☒ NO**5. Name and address of party to whom correspondence concerning document should be mailed:**Name: Jacques L. Etkowicz  
Internal Address: RatnerPrestia

☒ Street Address: Suite 301  
One Westlakes  
Berwyn, P.O. Box 980  
 City: Valley Forge State: PA  
 ZIP: 19482-0980

OR

☐ Street Address: Nemours Building  
1007 Orange Street  
Suite 1100, P.O. Box 1596  
 City: Wilmington State: DE  
 ZIP: 19899

**6. Total number of applications and patents involved:**

1

**7. Total fee (37 CFR 1.21(h) & 3.41):** \$ 40

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**a. Credit Card - Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_b. Deposit Account Number 18-0350Authorized User Name RatnerPrestia**9. Signature:**

Signature

October 12, 2004

Date

Jacques L. Etkowicz  
 Name of Person Signing

41,738  
 Registration Number

Total number of pages including  
 cover sheet, attachments and  
 documents: 10

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:  
 Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

700122315

**PATENT**  
**REEL: 015238 FRAME: 0581**

CH \$40.00 180350 10844106

<b>ASSIGNMENT - Patent Application</b>		Docket Number: <b>RPI-126US</b>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. Bradley Ferguson	2. Shaohong Wang
	3. Xi-Cheng Zhang	4.
	5.	6.
made an invention entitled: <b>TRANSMISSION MODE TERAHERTZ COMPUTED TOMOGRAPHY</b>		
for which an application for Letters Patent of the United States: (Select one of the following):		
<input type="checkbox"/> is executed concurrently herewith		
<input checked="" type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>May 12, 2004</u>		
as U.S. Patent Application Serial No.: <u>10/844,105</u>		
ASSIGNEE (Full Name and Address)	<b>Rensselaer Polytechnic Institute</b> <b>1108<sup>th</sup> Street</b> <b>Troy, New York 12180-3590</b>	
is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor.		
<p>Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby <del>sells</del>, assigns and transfers to Assignee, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.</p> <p>Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.</p> <p>Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.</p> <p>If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.</p>		

**ASSIGNMENT - Patent Application**Docket Number: RPL-126US

Assignor authorizes Assignor's attorney to insert at the end hereof, the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

Typed or Printed Name	Signature	Date
1. Bradley Ferguson	<u>[Signature]</u>	<u>Sept 14, 2004</u>
	<u>[Signature]</u> * Witness to Assignor #1	<u>Sept 14, 2004</u>
2. Shaohong Wang	_____	_____
	_____ * Witness to Assignor #2	_____
3. Xi-Cheng Zhang	_____	_____
	_____ * Witness to Assignor #3	_____
4.	_____	_____
	_____ * Witness to Assignor #4	_____
5.	_____	_____
	_____ * Witness to Assignor #5	_____
6.	_____	_____
	_____ * Witness to Assignor #6	_____

Application for United States Letters Patent:

Serial No.: (10/844,105)

Filed: (May 12, 2004)

Attorney Docket Number: RPL-126US

Total Number of Assignment Pages 2

\* Witness signature recommended, mandatory for some countries

<b>ASSIGNMENT - Patent Application</b>		Docket Number: <b>RPI-126US</b>
Whereas, the Assignor, comprising the following named inventors:		
ASSIGNOR(s)/ INVENTOR(s)	1. <b>Bradley Ferguson</b>	2. <b>Shaohong Wang</b>
	3. <b>Xi-Cheng Zhang</b>	4.
	5.	6.
made an invention entitled: <b>TRANSMISSION MODE TERAHERTZ COMPUTED TOMOGRAPHY</b>		
for which an application for Letters Patent of the United States: (Select one of the following): <input type="checkbox"/> is executed concurrently herewith <input checked="" type="checkbox"/> was filed in the U.S. Patent and Trademark Office on <u>May 12, 2004</u> as U.S. Patent Application Serial No.: <u>10/844,105</u>		
ASSIGNEE (Full Name and Address)	<b>Rensselaer Polytechnic Institute</b> <b>110 8<sup>th</sup> Street</b> <b>Troy, New York 12180-3590</b>	
<p>is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor,</p> <p>Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby sells, assigns and transfers to Assignee, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.</p> <p>Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.</p> <p>Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.</p> <p>If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.</p>		

**ASSIGNMENT - Patent Application**Docket Number: **RPI-126US**

Assignor authorizes Assignor's attorney to insert at the end hereof, the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

Typed or Printed Name	Signature	Date
1. <b>Bradley Ferguson</b>	_____	_____
	* Witness to Assignor #1	_____
2. <b>Shaohong Wang</b>	<u>S. Wang</u>	<u>10/04/04</u>
	* Witness to Assignor #2	_____
3. <b>Xi-Cheng Zhang</b>	_____	_____
	* Witness to Assignor #3	_____
4.	_____	_____
	* Witness to Assignor #4	_____
5.	_____	_____
	* Witness to Assignor #5	_____
6.	_____	_____
	* Witness to Assignor #6	_____

Application for United States Letters Patent:

Serial No.: (10/844,105)

Filed: (May 12, 2004)

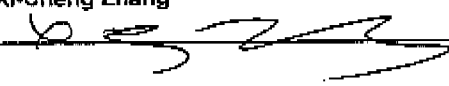
Attorney Docket Number: RPI-126US

Total Number of Assignment Pages 2

\* Witness signature recommended, mandatory for some countries

**ASSIGNMENT - Patent Application**Docket Number: **RPI-126US**

Whereas, the Assignor, comprising the following named inventors:

ASSIGNOR(s)/ INVENTOR(s)	1. <b>Bradley Ferguson</b>	2. <b>Shaohong Wang</b>
	3. <b>Xi-Cheng Zhang</b>	4.
	5. 	6.

made an invention entitled: **TRANSMISSION MODE TERAHERTZ COMPUTED TOMOGRAPHY**

for which an application for Letters Patent of the United States:

(Select one of the following):

- ☐ is executed concurrently herewith  
☒ was filed in the U.S. Patent and Trademark Office on May 12, 2004  
as U.S. Patent Application Serial No.: 10/844,105

ASSIGNEE  
(Full Name and Address)**Rensselaer Polytechnic Institute**  
**1108<sup>th</sup> Street**  
**Troy, New York 12180-3590**

is desirous of acquiring the entire interest in and to said invention and the Letters Patent to be obtained therefor.

Now, therefore, in consideration of the payment by Assignee to Assignor of a sum corresponding to One Dollar (\$1.00), and for other good and valuable consideration, the receipt of which is hereby acknowledged, Assignor, intending to be legally bound, hereby **sells**, assigns and transfers to Assignee, its successors and assigns the full and exclusive right, title and interest in and to said invention, all applications for Letters Patent for said invention, including all divisions, continuations, and continuations-in-part thereof, all rights to claim priority based thereon, and all Letters Patent, including reissues, to be obtained therefor, including any and all foreign patent rights in this invention corresponding thereto.

Assignor hereby warrants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

Assignor agrees it shall be legally bound, upon request of the Assignee or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the Assignor has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the Assignee, and to execute all instruments proper to carry out the intent of this instrument.



If the invention requires a biological deposit, Assignor also grants to Assignee such control over any deposit made by Assignor as may be necessary to the validity of the patent rights assigned herein.

**ASSIGNMENT - Patent Application**Docket Number: **RPI-126US**

Assignor authorizes Assignor's attorney to insert at the end hereof, the serial number and filing date of the aforesaid application for United States Letters Patent and/or the Attorney Docket or file designation for this application if not identified above.

If the Assignor includes more than one individual, these obligations shall apply to these individuals both individually and collectively.

In witness whereof, this Assignment is executed on the day indicated below.

	Typed or Printed Name	Signature	Date
	1. <b>Bradley Ferguson</b>	_____	_____
		* Witness to Assignor #1 _____	_____
	2. <b>Shaohong Wang</b>	_____	_____
		* Witness to Assignor #2 _____	_____
	3. <b>Xi-Cheng Zhang</b>	_____	_____
SIGNATURE		 * Witness to Assignor #3 _____	9/10/2004
	4. _____	_____	_____
		* Witness to Assignor #4 _____	_____
	5. _____	_____	_____
		* Witness to Assignor #5 _____	_____
	6. _____	_____	_____
		* Witness to Assignor #6 _____	_____

Application for United States Letters Patent:

Serial No.: (10/844,105)Filed: (May 12,2004)Attorney Docket Number: **RPI-126US**Total Number of Assignment Pages 2

\* Witness signature recommended, mandatory for some countries

PTO/SB/21 (04-04) (AW 08/2004)

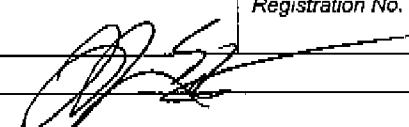
Approved for use through 7/31/2006. OMB 01-51-0031

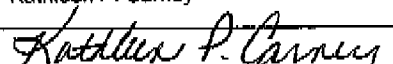
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/844,105
	Filing Date	May 12, 2004
	First Named Inventor	Bradley Ferguson
	Art Unit	2878
	Examiner Name	
Total Number of Pages in This Submission 10	Attorney Docket No.	RPI-128US

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/Declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Technology Center ("TC") <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  PTO Faxsheet Assignment PTO-1595
<b>Remarks:</b>		

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT		
Firm or Individual Name	Jacques L. Etkowicz	Registration No. (Attorney/Agent) 41,738
Signature		
Date	October 12, 2004	

CERTIFICATE OF TRANSMISSION / MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Typed or printed name	Kathleen P. Carney		
Signature		Date	October 12, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.