

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**RECORDATION 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)Stephen Z. Cheng
Matthew J. Graham
Frank W. Harris
Shi JinAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) July 16, 18, 30 & August 10, 2007

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)Name: University of Akron

Internal Address: _____

Street Address: 302 Buchtel CommonCity: AkronState: OhioCountry: United States Zip: 44325Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**☐ This document is being filed together with a new application.

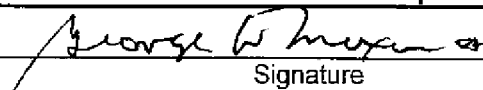
A. Patent Application No.(s)

11/573,694 filed February 14, 2007 Ref # 089498.0492.US

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**Name: George W. Moxon IIInternal Address: Roetzel & AndressStreet Address: 222 South Main StreetCity: AkronState: Ohio Zip: 44308Phone Number: 330-376-2700Fax Number: 330-376-4577Email Address: gmoxon@ralaw.com**6. Total number of applications and patents involved: 1****7. Total fee (37 CFR 1.21(h) & 3.41) \$**

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

8. Payment Informationa. Credit Card Last 4 Numbers _____
Expiration Date _____b. Deposit Account Number 50-0959Authorized User Name George W. Moxon II**9. Signature:**
Signature

August 15, 2007

Date

George W. Moxon II
Name of Person SigningTotal number of pages including cover
sheet, attachments, and documents:

6

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

CH \$40.00 500959 11573694

ASSIGNMENT

In Consideration of the sum of Ten Dollars (\$10.00), and of other good and valuable consideration paid to the undersigned by the Assignee, The University of Akron, an institution organized under the laws of the State of Ohio and having a place of business at 302 Buchtel Common, in Akron, Ohio 44325, receipt whereof is hereby acknowledged, the undersigned by these presents hereby sold, assigned, transferred and set over unto the said assignee the entire right, title and interest in and to the invention or improvement in

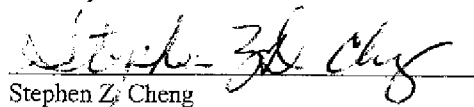
PHOTONIC CRYSTAL, CONJUGATED POLYMERS SUITABLE FOR PHOTONIC CRYSTALS, AND A METHOD FOR SYNTHESIZING CONJUGATED POLYMERS

said invention being fully described and/or claimed in U.S. Patent Application Serial No. 11/573,694 for Letters Patent of the United States of America, in and for the United States and all foreign countries, the same to be held and enjoyed by said assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefore may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

And Said Assignee is Hereby Authorized to make application for and to receive Letters Patent for said invention in any of said countries of its election.

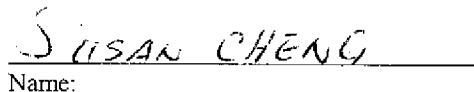
And By This Covenant The Undersigned will execute or procure any further necessary assurance of title to said invention and Letters Patent; and at any time, upon the request and at the expense of said assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefore in said Assignee, its successors, assigns or other legal representatives, and upon the request and at the expense of said assignee, will execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and for the reissue of said Letters Patents to be granted therefore, and will make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein without further compensation, but at the expense of said assignee, its successors, assigns or other legal representatives.

And The Commissioner of Patents is Hereby Authorized and Requested to issue any and all letters patent of the United States for said invention, to said assignee.


Stephen Z. Cheng

Date: 7/18/07

Witness:


Name: SUSAN CHENG

Date: 7/18/07

Matthew J. Graham

Date: _____

Witness:

Name:

Date: _____

ASSIGNMENT

In Consideration of the sum of Ten Dollars (\$10.00), and of other good and valuable consideration paid to the undersigned by the Assignee, The University of Akron, an institution organized under the laws of the State of Ohio and having a place of business at 302 Buchtel Common, in Akron, Ohio 44325, receipt whereof is hereby acknowledged, the undersigned by these presents hereby sold, assigned, transferred and set over unto the said assignee the entire right, title and interest in and to the invention or improvement in

PHOTONIC CRYSTAL, CONJUGATED POLYMERS SUITABLE FOR PHOTONIC CRYSTALS, AND A METHOD FOR SYNTHESIZING CONJUGATED POLYMERS

said invention being fully described and/or claimed in U.S. Patent Application Serial No. 11/573,694 for Letters Patent of the United States of America, in and for the United States and all foreign countries, the same to be held and enjoyed by said assignee, its successors, assigns or other legal representatives, to the full ends of the terms for which all Letters Patent therefore may be granted as fully and entirely as the same would have been held and enjoyed by the undersigned if this assignment and sale had not been made.

And Said Assignee is Hereby Authorized to make application for and to receive Letters Patent for said invention in any of said countries of its election.

And By This Covenant The Undersigned will execute or procure any further necessary assurance of title to said invention and Letters Patent; and at any time, upon the request and at the expense of said assignee, will execute and deliver any and all papers that may be necessary or desirable to perfect the title to said invention or any Letters Patents which may be granted therefore in said Assignee, its successors, assigns or other legal representatives, and upon the request and at the expense of said assignee, will execute any additional or divisional applications for patents for said invention, or any part or parts thereof, and for the reissue of said Letters Patents to be granted therefore, and will make all rightful oaths and do all lawful acts requisite for procuring the same or for aiding therein without further compensation, but at the expense of said assignee, its successors, assigns or other legal representatives.

And The Commissioner of Patents is Hereby Authorized and Requested to issue any and all letters patent of the United States for said invention, to said assignee.


Stephen Z. Cheng

Date: _____

Witness: _____

Name:

Date: _____


Matthew J. Graham

Date: 8/10/07

Witness: _____

Name:

Date: _____

Frank W. Harris
Frank W. Harris

Date: 7/16/07

Witness:

George D. Hume
Name:

Date: 7/16/07

Shi Jin

Date: _____

Witness:

Name:

Date: _____

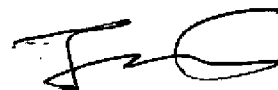
Frank W. Harris

Date: _____

Witness:

Name:

Date: _____



Shi Jin

Date: 7-30-2007

Witness:

Name:

Date: _____