

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4071302

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MINGXING WANG	09/20/2016
QI LU	09/20/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE CHARLOTTE MECKLENBURG HOSPITAL AUTHORITY D/B/A/ CAROLINAS HEALTHCARE SYSTEM
<b>Street Address:</b>	1000 BLYTHE BLVD.
<b>City:</b>	CHARLOTTE
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28203
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14674491
<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
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<b>Correspondent Name:</b>	MYERS BIGEL & SIBLEY, P.A.
<b>Address Line 1:</b>	PO BOX 37428
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<b>ATTORNEY DOCKET NUMBER:</b>	1184-7
<b>NAME OF SUBMITTER:</b>	BETTY-LOU MEDLIN
<b>SIGNATURE:</b>	/bettyloumedlin/
<b>DATE SIGNED:</b>	09/27/2016
<b>Total Attachments: 4</b>	
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source=11847Assn#page4.tif	

**ASSIGNMENT RECORDATION FORM COVER SHEET** *Patents Only*

To: Commissioner for Patents:

Date: September 27, 2016  
Attorney Docket No. 1184-7

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- [1.] Mingxing Wang
- [2.] Qi Lu

Additional name(s) of conveying party(ies) attached? Yes  No

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

The Charlotte Mecklenburg Hospital Authority d/b/a  
Carolinas Healthcare System  
1000 Blythe Blvd.  
Charlotte, North Carolina 28203

Additional name(s) & address(es) attached? Yes  No

3. Nature of conveyance:

Execution Date(s)

- [1.] 09/20/2016; [2.] 09/20/2016

- Assignment  Merger
- Security Agreement  Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmation License
- Other

4. Application Serial No. 14/674,491; File Date: March 31, 2015

If this document is being filed together with a new application, the execution date of the application is:

Additional numbers attached? Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Shawna Cannon Lemon  
Myers Bigel & Sibley, P.A.  
P. O. Box 37428  
Raleigh NC 27627

6. Total number of applications and patents involved: 1

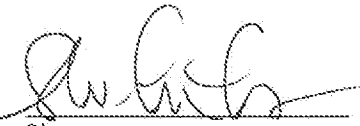
DO NOT USE THIS SPACE

7. Statement and signature

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Shawna Cannon Lemon, Reg. No. 53,888

Name of Person Signing

  
Signature

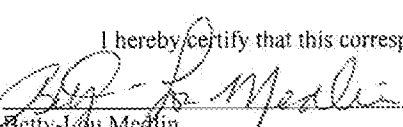
September 27, 2016

Date

Total number of pages including cover sheet, attachments and document: 4

**CERTIFICATION OF TRANSMISSION  
UNDER 37 CFR § 1.8**

I hereby certify that this correspondence is being transmitted electronically to the U.S. Patent and Trademark Office via EPAS.

  
Betty-Lou Medlin

Date of Signature: September 27, 2016

**ASSIGNMENT**

THIS ASSIGNMENT, made by us, Mingxing Wang, residing at 220 Liriope Court, Matthews, North Carolina 28105; and Qi Lu, residing at 1179 Hollyheath Lane, Charlotte, North Carolina 28209;

WITNESSETH: That,

WHEREAS, we are the joint inventors of certain new and useful improvements in **TRIAZINE CATIONIC POLYMERS AND METHODS OF USE THEREOF** for which U.S. Patent Application No. 14/674,491 was filed on March 31, 2015 in the United States Patent and Trademark Office; and

WHEREAS, **The Charlotte Mecklenburg Hospital Authority d/b/a Carolinas HealthCare System**, a North Carolina hospital authority having a principal place of business at 1000 Blythe Blvd., Charlotte, North Carolina 28203, 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, 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, we 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 applications, 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 applications 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 us if this assignment and sale had not been made.

We hereby request that said Letters Patent be issued in accordance with this

assignment.

We further covenant and agree that, at the time of the execution and delivery of these presents, we possess full title to the invention and applications above-mentioned, and that we have the unencumbered right and authority to make this assignment.

We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us 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 we hereby instruct, and further covenant and agree to bind our 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 hands and seal on this 20th day of September, 2015.

*Mingxing Wang* (SEAL)  
Mingxing Wang

*Kay Snider*  
Witness

9-20-2016  
Date

*Deborah*  
Witness

9-20-16  
Date

IN WITNESS WHEREOF, I have hereunto set my hands and seal on this 20th day of September, 2015.

Qi Lu (SEAL)

Kay Smider  
Witness  
9-20-2016  
Date

Debra Caldwell  
Witness  
9-20-16  
Date

IN WITNESS WHEREOF, The Charlotte Mecklenburg Hospital Authority d/b/a Carolinas HealthCare System confirms 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: [Signature] (SEAL)

Title: VP- Research

Date: 9-20-2016