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OMB No. 0651-0027 (exp. 8/31/2008)

09-29-2008

U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office



103527284

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)

Yanfeng Chen  
M. Cameron Sullards  
Thomas M. Orlando  
Joseph A. Hankin  
Robert C. Murphy  
Robert C. Barkle

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 7/10/2008, 7/11/2008, 8/29/2008

- ☒ 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: Georgia Tech Research Corp., Regents of the University of Colorado

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

Street Address: 505 Tenth Street, NW,

1800 Grant Street, 8th Floor

City: Atlanta, Denver

State: GA, CO

Country: USA Zip: 30332, 80203

Additional 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)

12/154,912

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Law Offices of Kenneth W. Float

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

Street Address: 2095 Hwy. 211 NW, # 2F

City: Braselton

State: GA Zip: 30517

Phone Number: (949) 257-7964

Fax Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

6. Total number of applications and patents involved: \_\_\_\_\_

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 Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 502064

Authorized User Name Kimberly A. Dunn

9. Signature: \_\_\_\_\_

Signature

9/22/2008

Date

Kenneth W. Float  
Name of Person Signing

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

11

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

**ASSIGNMENT  
OF UTILITY PATENT APPLICATION**

WHEREAS, the following parties:

<u>Name</u>	<u>Address</u>
Yanfeng Chen	2868 Talisman Court, Atlanta, GA 30345
M. Cameron Sullards	1659 Crestline Drive, Atlanta, GA 30345
Thomas M. Orlando	825 Wilson Road, Atlanta, GA 30318
Joseph A. Hankin	5 South Cherry Street, Denver, CO 80246
Robert C. Murphy	1564 South Unita Way, Denver, CO 80231
Robert C. Barkley	3775 Fairview Drive, Boulder, CO 80303

hereinafter referred to as ASSIGNOR, has/have invented certain new and useful improvements ("invention(s)") as described and set forth in the below-identified utility application for United States Letters Patent entitled:

**"METHOD AND APPARATUS OF UNIFORM GAS-PHASE MOLECULAR  
MATRIX DEPOSITION FOR IMAGING MASS SPECTROMETRY"**

which was:

- ☐ executed on even date herewith,
- ☒ filed with the United States Patent and Trademark Office (USPTO) on May 28, 2008, and assigned Serial No. 12/154,912, and
- ☒ further described in U.S. Provisional application entitled "*Method and Apparatus of Uniform Gas-Phase Molecular Matrix Deposition for Imaging Mass Spectrometry*", filed with the USPTO on May 25, 2007, and assigned Serial No. 60/940,152.

WHEREAS, Georgia Tech Research Corporation, located at the Georgia Institute of Technology, 505 Tenth Street, NW, Atlanta, GA 30332-0415, and The Regents of the University of Colorado, located at 1800 Grant Street, 8th Floor, Denver, CO 80203 hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in and to said invention(s), said utility application, said provisional application, and any U.S. and foreign patents which are related to the same.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said Provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation in part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said Inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

ASSIGNOR requests that any and all patents for said inventions be issued to ASSIGNEE in the U.S. and to ASSIGNEE in all countries foreign to the U.S., or to such nominee as ASSIGNEE may designate.

ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR'S behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.

M. Cameron Sullards  
M. Cameron Sullards

Date: July 10, 2008

United States of America

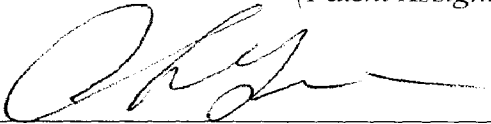
State of GEORGIA  
County of FULTON

On this 10<sup>th</sup> day of July, 2008, before me personally came **M. Cameron Sullards** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.

Cameron Tyson  
Notary Public

**CAMERON TYSON**  
**NOTARY PUBLIC FULTON COUNTY, GEORGIA**  
**MY COMMISSION EXPIRES NOVEMBER 7, 2010**

My Commission Expires (Date)



**Yanfeng Chen**

Date: July 10, 2008

United States of America

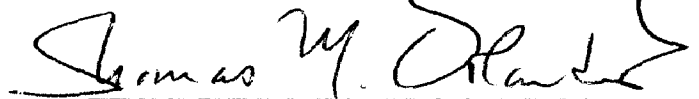
State of GEORGIA  
County of FULTON

On this 10<sup>th</sup> day of July, 2008, before me personally came **Yanfeng Chen** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.



Notary Public

**CAMERON TYSON**  
**NOTARY PUBLIC FULTON COUNTY, GEORGIA**  
**MY COMMISSION EXPIRES NOVEMBER 7, 2010**  
My Commission Expires (Date)



Thomas M. Orlando

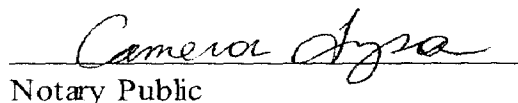
Date: July 11<sup>th</sup>, 2008

United States of America

State of GEORGIA

County of FULTON

On this 11<sup>th</sup> day of July, 2008, before me personally came **Thomas M. Orlando** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.



Notary Public

**CAMERON TYSON**  
**NOTARY PUBLIC FULTON COUNTY, GEORGIA**  
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# **ASSIGNMENT OF UTILITY PATENT APPLICATION**

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<u>Name</u>	<u>Address</u>
Yanfeng Chen	2868 Talisman Court, Atlanta, GA 30345
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Thomas M. Orlando	825 Wilson Road, Atlanta, GA 30318
Joseph A. Hankin <i>9/11/08</i>	<del>7863 E. Bayaud Ave Denver 80230</del> <del>5 South Cherry Street, Denver, CO 80246</del>
Robert C. Murphy	1564 South Unita Way, Denver, CO 80231
Robert C. Barkley <i>M. 14 Aug 08</i>	<del>6</del> 775 Fairview Drive, Boulder, CO 80303

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## **"METHOD AND APPARATUS OF UNIFORM GAS-PHASE MOLECULAR MATRIX DEPOSITION FOR IMAGING MASS SPECTROMETRY"**

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NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged by ASSIGNOR, ASSIGNOR has sold, assigned and transferred and does hereby sell, assign and transfer unto ASSIGNEE, and ASSIGNEE'S successors and assigns, (a) the entire right, title and interest, for the United States of America, in and to said invention(s), said utility application, and said Provisional application and all the rights and privileges in any application and under any and all patents that may be granted in the U.S. for said inventions, including all corresponding provisional, continuation, continuation in part, divisional, reissue, and reexamination applications; and (b) the entire right, title and interest in and to said invention(s), said utility application, and said provisional application for all countries foreign to the U.S., including all rights of priority arising from them, and all the rights and privileges under any and all forms of protection, including patents, that may be granted in said countries foreign to the U.S. for them.

ASSIGNOR authorizes ASSIGNEE to make application for such protection in its own name and maintain such protection in any and all countries foreign to the U.S., and to invoke and claim for any application for patent or other form of protection for said Inventions, without further authorization from ASSIGNOR, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

ASSIGNOR hereby consents that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of ASSIGNEE to apply for patent or other form of protection for said Inventions, said utility application, or said provisional application and to claim the aforesaid benefit of the right of priority.

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ASSIGNOR covenants and agrees that, when requested, ASSIGNOR shall, without charge to ASSIGNEE but at ASSIGNEE'S expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable, or convenient in connection with the patent applications, patents, or other forms of protection of said invention(s), and for the defense and protection thereof if challenged in the court of law.

ASSIGNOR authorizes ASSIGNEE or its agents to insert, on ASSIGNOR'S behalf, the filing date and/or serial number above pertaining to the utility application and/or the provisional application, if not known as of the date of execution of this document.



Joseph A. Hankin  
Joseph A. Hankin

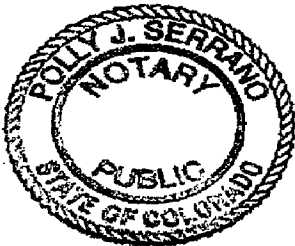
Date: 8/29/2008

United States of America

State of COLORADO

County of Adams

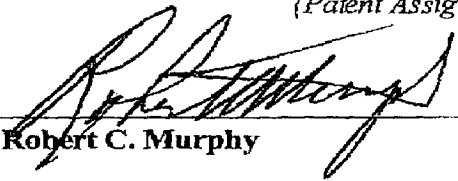
On this 29 day of August, 2008, before me personally came **Joseph A. Hankin** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.



My Commission Expires 06/06/2011

[Signature]  
Notary Public

9/6/2011  
My Commission Expires (Date)

  
Robert C. Murphy

Date: Aug 29, 2008

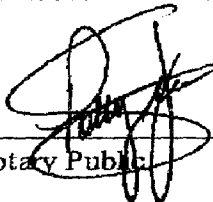
United States of America

State of COLORADO  
County of Adams


On this 29 day of August, 2008, before me personally came **Robert C. Murphy** to me known to be the individual described above and who executed the foregoing instrument, or acknowledged execution of the same.



My Commission Expires 09/06/2011

  
Notary Public

9/6/2011  
My Commission Expires (Date)

  
Robert C. Barkley  
M. MB 14 Aug 08

Date: 29 Aug 2008

United States of America

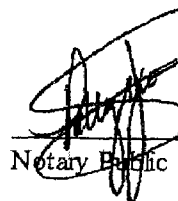
State of COLORADO

County of Adams

*MB 14 Aug 08*  
m. On this 29 day of August, 2008, before me personally came Robert  
C. Barkley to me known to be the individual described above and who executed the foregoing  
instrument, or acknowledged execution of the same.



My Commission Expires 03/06/2011

  
Notary Public

9/12/2011  
My Commission Expires (Date)