

Form PTO-1885 (Rev. 06/04)  
 Omb NO. 0651-0027 (EXP. 6/30/2005)

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.

<b>1. Name of conveying party(ies)/Execution Date(s):</b> Surendra K. Ravula, Christian L. Arrington, Darren W. Branch, Igal Brener, Paul G. Clem, Conrad D. James, and Jennifer K. Sigman  Execution Dates) <u>06/08/2009;06/09/2009;12/08/2009;</u> <u>06/17/2009; 06/15/2009;12/08/2009</u> Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies)</b> Name <u>SANDIA CORPORATION, OPERATOR OF</u> <u>SANDIA NATIONAL LABORATORIES</u> Internal Address: <u>P.O. BOX 5800 MS-0161</u>  Street Address: _____  City: <u>Albuquerque</u> State: <u>NM</u> Country: <u>USA</u> Zip: <u>87185-0161</u>  Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____		<b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>12/481,064</u>  B. Patent No.(s) _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>5. Name and address to whom correspondence concerning document should be mailed:</b>  Name: <u>Kerry Kampschmidt</u> Internal Address: <u>Sandia National Laboratories</u> <u>Legal Technical Transfer Center,</u> <u>11500</u> <u>Mail Stop 0161</u>  Street Address: _____  City: <u>Albuquerque</u> State: <u>NM</u> Zip: <u>87185-0161</u> Phone Number: <u>505-844-5626</u> Fax Number: <u>505-844-1418</u> Email Address: <u>kkamps@sandia.gov</u>		<b>6. Total number of applications and patents involved:</b> <u>1</u>  <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u> <input type="checkbox"/> Authorized to be charged by credit card  <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)	
<b>9. Signature:</b> <u>Kevin W. Bieg</u> _____ Kevin W. Bieg Name of Person Signing		<b>8. Payment Information</b> a. Credit Card Last 4 Numbers _____ Expiration Date _____ b. Deposit Account Number <u>19-0131</u> Authorized User Name _____  Total number of pages including cover sheet, attachments, and documents <u>6</u>	

Documents to be recorded (including cover sheet) should be faxed to (703) 308-5995, or mailed to:

PATENT

REEL: 023658 FRAME: 0658

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SD10818.1S114002

## ASSIGNMENT

WHEREAS, **Surendra K. Ravula of Chicago, IL, Christian L. Arrington, Darren W. Branch, Igal Brener, Paul G. Clem and Conrad D. James of Albuquerque, NM; Jennifer K. Sigman of Boise, ID; and Martyn Hill and Rosemary June Boltryk of Southampton, England**, has(have) made an invention relating to **Microfabricated Particle Focusing Device** in the course of the work authorized by Contract DE-AC04-94AL85000 between SANDIA CORPORATION and the UNITED STATES DEPARTMENT OF ENERGY, said invention being disclosed and claimed in an application for United States patent, identified as DOE Docket Nos: **S-114,002** duly executed by said inventors and

WHEREAS Inventor(s), in consideration of employment by Sandia Corporation, has(have) agreed, among other things, to assign to Sandia Corporation, its successors and assigns, all rights to inventions, discoveries, or improvements made or conceived in the course of their employment; and

WHEREAS, the Government of the United States, as represented by the U.S. Department of Energy has granted a waiver of Government rights in the above-identified invention to Sandia Corporation; and

THEREFORE, Inventor(s) hereby sells, assigns, and transfers unto Sandia Corporation their entire right, title, and interest in and to said invention and in and to all resulting patents, wherever they may be granted, as well as reissues or extensions of said patents, domestic and foreign,

Inventor(s) covenants with Sandia Corporation that, except for the rights, if any, of the Government, his/her interest in the rights and property herein conveyed is free and clear of any encumbrance and that they have full right to convey the same as herein expressed. They agree, at the request of Sandia corporation, to make, execute, and deliver to Sandia Corporation, the Government, or other party prosecuting patent applications on this invention, any and all papers, documents, affidavits, applications, statements or other instruments relating to said invention, take all rightful oaths and do all acts as may reasonably be required of them in or incident to the prosecution of any or all applications on said invention or in the adjustment or settlement of any interferences or other actions or proceedings that said applications or patents thereon may encounter or in which they may become involved.

SD10818.1S114002

Signed at Albuquerque, New Mexico

Christian L. Arrington  
Christian L. Arrington

Darren W. Branch  
Darren W. Branch

Igal Brener  
Igal Brener

Paul G. Clem  
Paul G. Clem

6-9-09

Date

12/8/2009

Date

6/9/2007

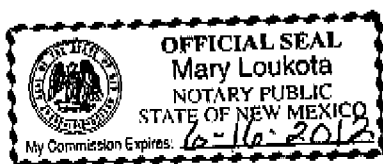
Date

8/8/2009

Date

STATE OF NEW MEXICO )  
 ) ss:  
COUNTY OF BERNALILLO )

On the dates entered above, personally appeared before me, Mary Loukota, Notary Public, Christian L. Arrington, Darren W. Branch, Igal Brener, and Paul G. Clem known to be the individual(s) described in and who executed the foregoing instrument, and who acknowledged to me that they executed the same.



Mary Loukota  
Notary Public

Approved and consented to this 15 day of December, 2009.

SANDIA CORPORATION

Kerry Kampschmidt  
~~Russell D. Eakin~~ Kerry Kampschmidt  
Chief IP Counsel  
Intellectual Property Center, MS-0161

SD10818.1S114002

Signed at Albuquerque, New Mexico

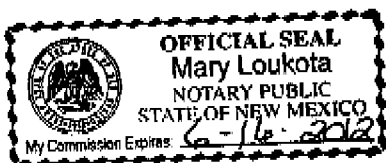
Conrad D. James  
Conrad D. James

6/17/09

Date

STATE OF NEW MEXICO     )  
  ) ss:  
COUNTY OF BERNALILLO    )

On the date entered above, personally appeared before me, Mary Loukota, Notary Public, Conrad D. James known to be the individual(s) described in and who executed the foregoing instrument, and who acknowledged to me that they executed the same.



Mary Loukota  
Notary Public

Approved and consented to this 15 day of December, 2009.

SANDIA CORPORATION

Kerry Kampschmidt  
~~Russell D. Elliott~~ Kerry Kampschmidt  
Chief IP Counsel  
Intellectual Property Center, MS-0161

SD10818.1S114002

Signed at Boise, ID



Jennifer K. Sigman

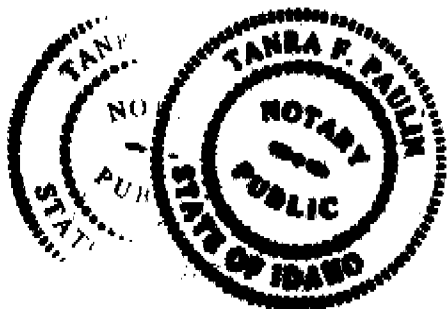
6/15/09

Date

STATE OF IDAHO )

COUNTY OF Ada ) ss:

On the date entered above, personally appeared before me, Tanra F. Paulin Notary Public, Jennifer K. Sigman known to be the individual(s) described in and who executed the foregoing instrument, and who acknowledged to me that they executed the same.



Notary Public

Approved and consented to this 15 day of December, 2009.

SANDIA CORPORATION



~~Russell D. Elliott~~ Kerry Kampschmidt  
Chief IP Counsel  
Intellectual Property Center, MS-0161

PATENT

REEL: 023658 FRAME: 0662

SD10818.1S114002

Signed at Chicago, IL

Surendra K. Ravula  
Surendra K. Ravula

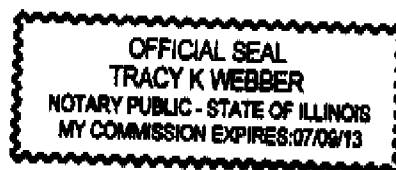
12/8/2009

Date

STATE OF ILLINOIS )  
COUNTY OF Cook ) ss:

On the date entered above, personally appeared before me, Tracy K. Webber Notary Public, Surendra K. Ravula known to be the individual(s) described in and who executed the foregoing instrument, and who acknowledged to me that they executed the same.

Tracy K. Webber  
Notary Public



Approved and consented to this 15 day of December, 2009.

SANDIA CORPORATION

Kerry Kampschmidt  
~~Russell D. Kampschmidt~~ Kerry Kampschmidt  
Chief IP Counsel  
Intellectual Property Center, MS-0161