

09-14-2004

Form PTO-1595  
(Rev. 10/02)

RE



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

OMB No. 0651-0027 (exp. 6/30/2005)

102834961

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Richard D. Smith  
Keqi Tang  
Alexandre A. Shvartsburg

*MKA*  
*9-2-04*

2. Name and address of receiving party(ies)

Name: Battelle Memorial Institute

Internal Address: (K1-53)

Street Address: P.O. Box 999

City: Richland State: WA Zip: 99352

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

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

3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: 9/2/04

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: 9/2/04

A. Patent Application No.(s) \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached?  Yes  No

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

Name: Todd J. Harrington

Internal Address: K1-53

Street Address: P.O. Box 999

City: Richland State: WA Zip: 99352

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

02-1275

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9. Signature.

Todd J. Harrington  
Name of Person Signing

*Todd J. Harrington*  
Signature

9/2/04  
Date

Total number of pages including cover sheet, attachments, and documents: 6

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

09/13/2004 6TON11 00000099 021275 10933661

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PATENT  
REEL: 015769 FRAME: 0313

17497 U.S. PTO  
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ASSIGNMENT

Richard D. Smith  
Keqi Tang  
Alexandre A. Shvartsburg

To

Battelle Memorial  
Institute

WHEREAS we, Richard D. Smith, of Richland, in the County of Benton, and State of Washington; Keqi Tang, of Richland, in the County of Benton, and State of Washington; Alexandre A. Shvartsburg, of Richland, in the County of Benton, and State of Washington, have made certain inventions in IMPROVED HIGH PERFORMANCE ION MOBILITY SPECTROMETRY USING HOURGLASS ELECTRODYNAMIC FUNNEL AND INTERNAL ION FUNNEL for which we are about to make application for Letters Patent of the United States; and

WHEREAS Battelle Memorial Institute, a corporation of Ohio, organized and existing under the laws of the State of Ohio, and having a place of business in the City of Richland, Washington, is desirous of acquiring an interest in the said invention and in any patent or patents to be obtained therefor;

NOW, THEREFORE, To All Whom It May Concern, be it known that, for and in consideration of the sum of One Dollar (\$1.00) each, and other good and valuable considerations, the receipt of which is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto the said Battelle Memorial Institute, the entire right, title, and interest in and to the invention shown, described, or claimed therein, and the full and exclusive right and title to the said application, executed by us on the 9<sup>th</sup> day of September, 2004, preparatory to obtaining Letters Patent of the United States therefor; and in and to any extensions, reissues, divisions, or renewals thereof; and we do hereby authorize and request the Commissioner of Patents or other proper Officer, to issue such Letters Patent, or any of them to the said Battelle Memorial Institute, as the assignee of our entire right, title, and interest in and to the same for the sole use and benefit of the said Battelle Memorial Institute, and its successors or assigns.

And we further covenant and agree that we will, at the request and expense of the said Battelle Memorial Institute, execute such other and further assurances of title as may be necessary or proper to fully convey the interest herein sought to be conveyed; that we will, at the request and expense of the said Battelle Memorial Institute, execute such application papers as may be desired by the said Battelle Memorial Institute, for the filing of any division or renewal of the application herein conveyed, or for reissues or extensions, or any Letters Patent that may be granted upon said application, and will execute such Supplemental Oaths and Preliminary Statements, or other papers as desired by the said Battelle Memorial Institute.

And we further assign unto the said Battelle Memorial Institute, the whole right, title, and interest to the invention disclosed in the application throughout all countries foreign to the United States, and do hereby authorize the said Battelle Memorial Institute to apply for patents therefor in its own name in countries where such procedure is proper and to claim the benefit of the International Convention and agree to execute applications of the said invention in the several countries where it is necessary that the same be executed by the inventors, and to execute assignments of such applications and the patents to be obtained therefor to the said Battelle Memorial Institute, the assignee herein, as well as all other necessary papers.

.....

Executed at Richland, State of Washington, this 2 day of September 2004.

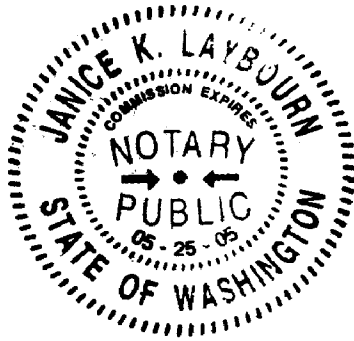
*Richard D. Smith*  
Richard D. Smith

STATE OF Washington )  
  )     ss.  
COUNTY OF Benton     )

This 2nd day of September, 2004, before me personally came the above-named Richard D. Smith, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

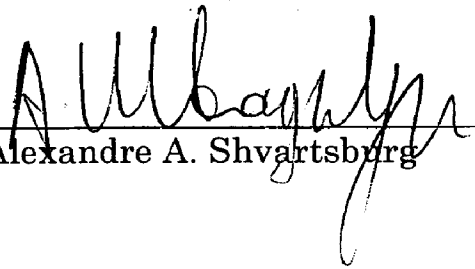
*Janice K. Laybourn*  
Notary Public for the State of  
Washington  
My commission  
expires: 3-25-05

[SEAL]



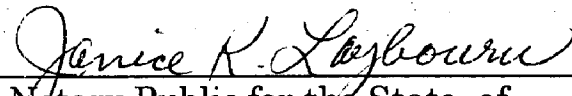


Executed at Richland, State of Washington, this 2 day of September 2004.

  
\_\_\_\_\_  
Alexandre A. Shvartsburg

STATE OF Washington     )  
  )     ss.  
COUNTY OF Benton        )

This 2nd day of September, 2004, before me personally came the above-named Alexandre A. Shvartsburg, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.

  
\_\_\_\_\_  
Notary Public for the State of  
Washington  
My commission  
expires:                                     5-25-05

[SEAL]