

9/30/05

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

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

1. Name of conveying party(ies):

Aleksey V. Tolmachev

Richard D. Smith

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

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other _____

Execution Date: 09/30/2005

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

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: 09/30/2005

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: James D. Matheson

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.

James D. Matheson

Name of Person Signing

James D. Matheson
Signature

9/30/05

Date

Total number of pages including cover sheet, attachments, and documents: 5

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231113277 U.S. PTO
11/25/1528

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01 FC:002: (40.00 BA)

PATENT

REEL: 017103 FRAME: 0461

PATENT

File No. 14793-E

A S S I G N M E N T

Aleksey V. Tolmachev
Richard D. Smith

To

Battelle Memorial
Institute

WHEREAS, we, Aleksey V. Tolmachev of Richland, County of Benton, State of Washington; and Richard D. Smith of Richland, County of Benton, State of Washington, have made certain inventions in, **ION FUNNEL WITH EXTENDED MASS RANGE AND REDUCED CONDUCTANCE LIMIT APERTURE**, 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, I 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 me on the _____ day of _____, 2005, preparatory to obtaining Letters Patent of the United States therefor; and in and to any extensions, reissues, divisions, or renewals thereof; and I 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 my 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 I further covenant and agree that I 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 I 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 I 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.

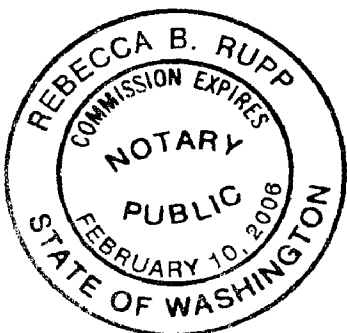
Executed at Richland, State of Washington, this 30 day
of September, 2005.

Aleksey V Tolmachev
Aleksey Tolmachev

STATE OF Washington)
) ss.
COUNTY OF Benton)

AT. 9/30/05

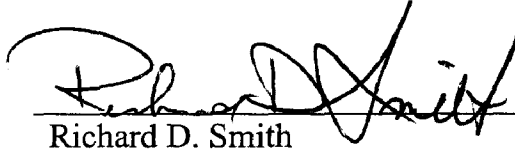
This 30 day of September, 2005, before me personally came the above-
named Aleksey Tolmachev, who executed the foregoing instrument in my presence, and who
acknowledged to me that he executed the same of his own free will for the purposes set forth
therein.



[SEAL]

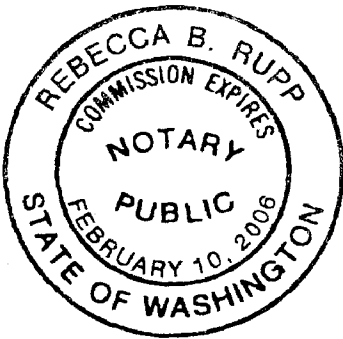
Rebecca B. Rupp
Notary Public for the State of Washington
My commission expires: 2/10/2006

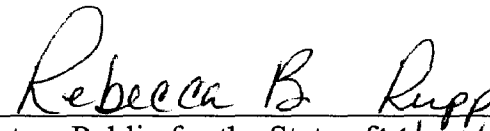
Executed at Richland, State of Washington, this 30 day
of September, 2005.


Richard D. Smith

STATE OF Washington)
)
COUNTY OF Benton) ss.

This 30 day of September, 2005, 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.




Notary Public for the State of Washington
My commission expires: 2/10/2006