

# RECORDATION FORM COVER SHEET PATENTS ONLY

Atty Ref/Docket No.: 1330.031US1

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):

Vladimir Grebenyuk, Oleg Grebenyuk, Keith J. Sims,  
William W. Carson, Russell J. MacDonald and Li Zhang

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

## 3. Nature of conveyance:

[X] Assignment [ ] Merger  
[ ] Security Agreement [ ] Change of Name  
[ ] Other

Execution Date: February 18, 2006, February 16, 2006,  
February 22, 2006, March 27, 2006, February 22, 2006,  
February 28, 2006

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

Name: GE Ionics, Inc.

Street Address: 65 Grove Street

City: Watertown State: MA Zip: 02472

Additional name(s) &amp; address(es) attached? [ ] Yes [X] 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:

A. Patent Application No.(s)

B. Patent No.(s)

Serial No. 11/291,526, filed December 1, 2005

Additional numbers attached? [ ] Yes [X] No

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

Name: Peter C. Maki

Address:  
Schwegman, Lundberg, Woessner & Kluth, P.A.  
P.O. Box 2938  
Minneapolis, MN 55402

6. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41): \$ 40.00

[ ] Enclosed  
[X] Authorized to be charged to deposit account

## 8. Please charge any additional fees or credit any over payments to our Deposit account number: 19-0743

DO NOT USE THIS SPACE

## 9. 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.

Peter C. Maki/Reg. No. 42,832  
Name of Person Signing

Signature

Date

Total number of pages including cover sheet: 8

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

Mail Stop Assignment Recordation Services  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

700256402

PATENT  
REEL: 017449 FRAME: 0598

CH \$40.00 190743 11291526

### ASSIGNMENT

WHEREAS, We, Vladimir Grebenyuk, residing at 7 Kenney Court, Woburn, MA 01901, and Oleg Grebenyuk, residing at 147 Captain Barnes Circle, Ashland, MA 01721, and Keith J. Sims, residing at 47 Rice Spring Lane, Wayland, MA 01778, and William W. Carson, residing at 14 Schofield Road, Hopkington, MA 01748, and Russell J. MacDonald, residing at 24 Bay Street, Wilmington, MA 01887, and Li Zhang, residing at 49 Amherst Road, Belmont, MA 02478, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on December 1, 2005, which application was assigned U.S. patent application serial number 11/291,526, and is entitled SPIRAL ELECTRODEIONIZATION DEVICE WITH SEGREGATED IONIC FLOWS:

AND WHEREAS, GE Ionics, Inc., a corporation organized and existing under and by virtue of the laws of the State of Delaware, and having an office and place of business at 65 Grove Street, Watertown, MA 02472 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

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AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 18 day of February, 2006.

V. Grebenyuk

Vladimir Grebenyuk

STATE OF

Massachusetts

)ss

COUNTY OF

Middlesex

On this 18<sup>th</sup> day of February, 2006 before me personally appeared Vladimir Grebenyuk, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

Archalouys Sarkissian  
Notary Public

ARCHALOUYS SARKISSIAN  
NOTARY PUBLIC  
Commonwealth of Massachusetts  
My Commission Expires Feb. 7, 2008

PATENT  
REEL: 017449 FRAME: 0600

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 16 day of  
February, 2006.

Oleg Grebenyuk

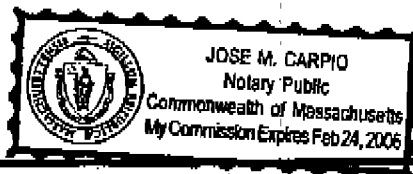
Oleg Grebenyuk

STATE OF Massachusetts

COUNTY OF Middlesex ) ss

On this 16 day of February, 2006 before me personally appeared Oleg Grebenyuk, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

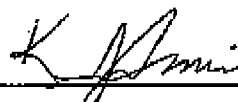


Jose M. Carpio  
Notary Public

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 22nd day of

February, 2006.



Keith J. Sims

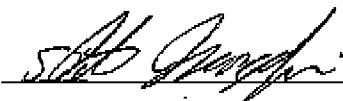
STATE OF Massachusetts)

)ss

COUNTY OF Middlesex)

On this 22nd day of February, 2006 before me personally appeared Keith J. Sims, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]



Notary Public

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 27<sup>th</sup> day of  
March, 2006.

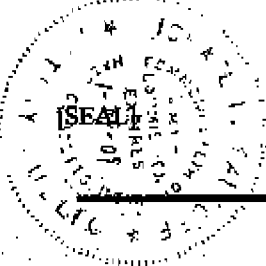
William W. Carson

William W. Carson

STATE OF Massachusetts

COUNTY OF Middlesex

On this 27<sup>th</sup> day of March, 2006 before me personally appeared William W. Carson, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



Michael T. Blum  
Notary Public

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 22 day of

Feb., 2006.



Russell J. MacDonald

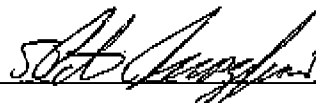
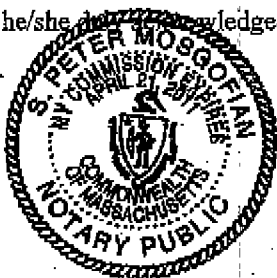
STATE OF Massachusetts )

)ss

COUNTY OF Walden )

On this 22nd day of February, 2006 before me personally appeared Russell J. MacDonald, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she do hereby acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL]

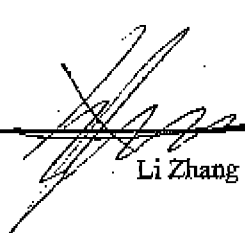


Notary Public

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IN TESTIMONY WHEREOF, I have hereunto set my hand this 28 day of

February, 2006.

  
\_\_\_\_\_  
Li Zhang

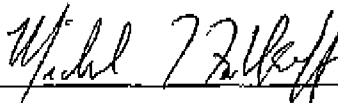
STATE OF Massachusetts )

)ss

COUNTY OF Middlesex )

On this 28<sup>th</sup> day of February, 2006 before me personally appeared Li Zhang to  
me known and known to me to be the person described in and who executed the foregoing instrument,  
and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set

forth.

  
\_\_\_\_\_  
Notary Public

