

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

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.

1. Name of conveying party(ies):

Yet-Ming Chiang (08/07/2006), Steven R. Hall
(06/01/2007), Yukinori Koyama (02/01/2007),
Kyungyeol Song (02/05/2007),

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

2. Name and address of receiving party(ies)

Name: Massachusetts Institute of Technology

Internal Address: _____

Street Address: _____

77 Massachusetts Avenue

City: Cambridge

State: Massachusetts

Country: United States of America Zip: 02139

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

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

Execution Date(s): In parentheses after inventor name

Assignment Merger Change of Name

Security Agreement Joint Research Agreement

Government Interest Assignment

Executive Order 9424, Confirmatory License

Other Nunc Pro Tunc Assignment

4. Application or patent number(s):

A. Patent Application No.(s)

13/041,058

This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Timothy J. Oyer, Ph.D.
WOLF, GREENFIELD & SACKS, P.C.

Internal Address: _____

Street Address: 600 Atlantic Avenue

City: Boston

State: MA Zip: 02210-2208

Phone Number: 617.546.8000

Fax Number: 617.546.8646

Email Address: patents_MITadmins@wolfgreenfield.com

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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 23/2825

Authorized User Name _____

9. Signature:



Signature

04/13/11
Date

Timothy J. Oyer, Ph.D. - 36,628

Name of Person Signing

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

74

CH \$40.00 232825 13041058

Form PTO-1595 **RECORDATION FORM COVER SHEET**
(continued)

Additional Conveying Party(ies)/Execution Date(s) (1. Continued):
 Timothy E. Chin (08/10/2006), Urs Rhyner (08/08/2006), Dimitrios Sapnaras (08/18/2006), and Fernando Tubilla (01/22/2007)

Additional Assignees (2. Continued):

Assignee Name: _____
 Internal Address: _____
 Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____
 Internal Address: _____
 Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Assignee Name: _____
 Internal Address: _____
 Street Address: _____

City: _____ State: _____ Country: _____ Zip: _____

Additional Applications and/or Patents (4. Continued):

<p>Additional Patent Application Numbers 4A. Continued:</p>	<p>Additional Patent Numbers 4B. Continued:</p>
---	---

Additional numbers attached? Yes No

NUNC PRO TUNC ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I the undersigned hereby:

1. Sell, assign and transfer to Massachusetts Institute of Technology, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, MA 02139, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, *nunc pro tunc* June 14, 2005, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on June 13, 2005 under Serial No. 11/150477, bearing Attorney Docket No. M0925.70167US02, and entitled **ELECTROCHEMICAL METHODS, DEVICES, AND STRUCTURES**, and in and to said application and all non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority;
2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;
3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation; and
5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

This instrument is executed under seal.

1056933.1

Docket No. M0925.70167US02

Page 2 of 9

Date Aug. 7, 2006

Inventor: Yet-Ming Chiang

Address: 62 Lake Road
Framingham, MA 01701

Citizenship: United States of America

STATE/Commonwealth of Massachusetts :

COUNTY OF Middlesex :

On this 7th day of August, 2006, before me, the undersigned notary public, personally appeared Yet-Ming Chiang, proved to me through satisfactory evidence of identification, which were known to me, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL Deborah E. Glampa
Notary Public

My commission expires June 7, 2013



Deborah E. Glampa
Notary Public
Commonwealth of Massachusetts
My Commission Expires
June 7, 2013

1056833.1

Docket No. M0925.70167US02

Page 3 of 8

Date _____ Inventor: Steven R. Hall

Address: 6 Cot Hill Road
Bedford, MA 01730

Citizenship: United States of America

STATE/Commonwealth of _____ :

County of _____ :

On this ____ day of _____, 20__, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
Notary Public

My commission expires _____

1056833.1

Docket No. M0925.70167US02

Page 4 of 9

Date _____ Inventor: Yukinori Koyama _____
Address: 2-19-14 Shin-Noda
Kumatori, Osaka 590-0454
JAPAN
Citizenship: Japan

Date _____ Witness: _____

1056833.1

Docket No. M0925.70167US02

Page 5 of 8

Date _____

Inventor: Kyungyaol Song

Address: 700 Huron Avenue, Apt. #9D
Cambridge, MA 02138

Citizenship: Republic of Korea

STATE/Commonwealth of _____ :

County of _____ :

On this ____ day of _____, 20____, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
Notary Public

My commission expires _____

1056833.1

Docket No. M0925.70187US02

Page 6 of 9

 Date Inventor: Timothy E. Chin
 Address: 72 Porter St., #1
 Cambridge, MA 02141
 Citizenship: United States of America

STATE/Commonwealth of _____ :
 County of _____ :

On this ____ day of _____, 20____, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
 Notary Public

My commission expires _____

1056833.1

Docket No. M0925.70167US02

Page 7 of 9

Date

Inventor: Urs Rhyner

Address: Wollerauerstr. 40
CH-8634 Schindellegi
SWITZERLAND

Citizenship: Switzerland

Date

Witness: _____

1056833.1

Docket No. M0925.70187US02

Page 8 of 9

Date _____ Inventor: Dimitrios Sapnaras
 Address: 426 Memorial Drive
 Cambridge, MA 02139
 Citizenship: Greece

STATE/Commonwealth of _____ :
 County of _____ :

On this ____ day of _____, 20____, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
 Notary Public

My commission expires _____

1056833.1

Docket No. M0925.70167US02

Page 8 of 8

 Date Inventor: Fernando Tubilla
 Address: 663 Massachusetts Avenue, Apt. 32
Cambridge, MA 02139
 Citizenship: Mexico

STATE/Commonwealth of _____ :
 County of _____ :

On this ____ day of _____, 20__, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
 Notary Public
 My commission expires _____

1056833.1

NUNC PRO TUNC ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I the undersigned hereby:

1. Sell, assign and transfer to Massachusetts Institute of Technology, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, MA 02139, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, *nunc pro tunc June 14, 2005*, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on June 13, 2005 under Serial No. 11/150477, bearing Attorney Docket No. M0925.70167US02, and entitled ELECTROCHEMICAL METHODS, DEVICES, AND STRUCTURES, and in and to said application and all non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority;
2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;
3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation; and
5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

This instrument is executed under seal.

Date _____ Inventor: Yet-Ming Chiang

Address: 52 Lake Road
Framingham, MA 01701

Citizenship: United States of America

STATE/Commonwealth of _____ :

County of _____ :

On this ____ day of _____, 20____, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
Notary Public

My commission expires _____

June 1, 2007
Date

Steven R Hall
Inventor: Steven R. Hall

Address: 6 Cot Hill Road
Bedford, MA 01730

Citizenship: United States of America

STATE/COMMONWEALTH OF Massachusetts :

COUNTY OF Middlesex :

On this 1st day of June, 2007, before me, the undersigned notary public, personally appeared Steven R Hall, proved to me through satisfactory evidence of identification, which were MASS DGE# S65384223, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL Margaret Anne Udden
Notary Public

My commission expires April 4, 2008

Margaret Anne Udden
NOTARY PUBLIC
My commission expires April 4, 2008

Docket No. M0925.70167US02

Page 4 of 9

Date

Inventor: Yukinori Koyama

Address: 2-19-14 Shin-Noda
Kumatori, Osaka 590-0454
JAPAN

Citizenship: Japan

Date

Witness:

1056833.1

Date _____ Inventor: Kyungyeol Song

Address: 700 Huron Avenue, Apt. #9D
Cambridge, MA 02138

Citizenship: Republic of Korea

STATE/Commonwealth of _____ :

County of _____ :

On this ____ day of _____, 20__, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
Notary Public

My commission expires _____

Date _____ Inventor: Timothy E. Chin _____

Address: 72 Porter St., #1
Cambridge, MA 02141

Citizenship: United States of America

STATE/Commonwealth of _____ :

County of _____ :

On this ____ day of _____, 20__, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
Notary Public

My commission expires _____

Date

Inventor: Urs Rhyner

Address: Wollerauerstr. 40
CH-8634 Schindellegi
SWITZERLAND

Citizenship: Switzerland

Date

Witness:

1056833.1

Docket No. M0925.70167US02

Page 8 of 9

Date _____ Inventor: Dimitrios Sapnaras

Address: 428 Memorial Drive
Cambridge, MA 02139

Citizenship: Greece

STATE/Commonwealth of _____ :

County of _____ :

On this ____ day of _____, 20____, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
Notary Public

My commission expires _____

Date _____ Inventor: Fernando Tubilla

Address: 863 Massachusetts Avenue, Apt. 32
Cambridge, MA 02139

Citizenship: Mexico

STATE/Commonwealth of _____ :

County of _____ :

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SEAL _____
Notary Public

My commission expires _____

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1. Sell, assign and transfer to Massachusetts Institute of Technology, a Massachusetts corporation having a place of business at 77 Massachusetts Avenue, Cambridge, MA 02139, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, *nunc pro tunc June 14, 2005*, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on June 13, 2005 under Serial No. 11/150477, bearing Attorney Docket No. M0925.70167US02, and entitled **ELECTROCHEMICAL METHODS, DEVICES, AND STRUCTURES**, and in and to said application and all non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country on any of said inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on said inventions, including the right to apply for patent rights in each foreign country and all rights to priority;
2. Agree that said Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for said inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all said inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to me relating to said inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper protection for said inventions and for vesting title to said inventions and all applications for patents and all patents on said inventions, in said Assignee;
3. Request the Honorable Director of the United States Patent and Trademark Office to issue said Letters Patent to said Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation; and
5. Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

This instrument is executed under seal.

1056833.1

Docket No. M0925.70167US02

Page 2 of 8

Date _____ Inventor: Yet-Ming Chiang
 Address: 52 Lake Road
Framingham, MA 01701
 Citizenship: United States of America

STATE/Commonwealth of _____ :

County of _____ :

On this ____ day of _____, 20__, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
 Notary Public

My commission expires _____

1056833.1

Docket No. M0925.70167US02

Page 3 of 9

Date _____ Inventor: Steven R. Hall _____

Address: 6 Cot Hill Road
Bedford, MA 01730

Citizenship: United States of America

STATE/Commonwealth of _____ :

County of _____ :

On this ____ day of _____, 20__, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
Notary Public

My commission expires _____

1056833.1

Docket No. M0925.70167US02

Page 4 of 9

February 1, 2007
Date


Inventor: Yukinori Koyama

Address: 2-19-14 Shin-Noda
Kumatori, Osaka 590-0454
JAPAN

Citizenship: Japan

February 1, 2007
Date


Witness:

1056833.1

Docket No. M0925.70167US02

Page 5 of 9

Date _____ Inventor: Kyungyeol Song
 Address: 700 Huron Avenue, Apt. #9D
 Cambridge, MA 02138
 Citizenship: Republic of Korea

STATE/Commonwealth of _____ :

County of _____ :

On this ____ day of _____, 20__, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
 Notary Public

My commission expires _____

1056833.1

Docket No. M0925.70167US02

Page 6 of 9

 Date
 Inventor: Timothy E. Chin
 Address: 72 Porter St., #1
 Cambridge, MA 02141
 Citizenship: United States of America

STATE/Commonwealth of _____ :

County of _____ :

On this ____ day of _____, 20__, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
 Notary Public

My commission expires _____

1056833.1

Docket No. M0925.70167US02

Page 7 of 9

Date

Inventor: _____
Urs Rhyner

Address: _____
Wollerauerstr. 40
CH-8834 Schindellegi
SWITZERLAND

Citizenship: _____
Switzerland

Date

Witness: _____

1056833.1

Docket No. M0925.70167US02

Page 8 of 9

 Date Inventor: Dimitrios Sapnaras
 Address: 428 Memorial Drive
 Cambridge, MA 02139
 Citizenship: Greece

STATE/Commonwealth of _____ ;
 County of _____ ;

On this ____ day of _____, 20____, before me, the undersigned notary public, personally appeared _____, proved to me through satisfactory evidence of identification, which were _____, to be the person who signed the preceding or attached document in my presence and swore or affirmed to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL _____
 Notary Public
 My commission expires _____

1056833.1

1 PART