

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | CORRECTIVE ASSIGNMENT | | | | | | | | | | |
|--|--|---------------|---|-----------------------|----------------|-----------------|------------|----------------|---------------|--------------|-------|
| NATURE OF CONVEYANCE: | Corrective Assignment to correct the To correct the Assignee's Name previously recorded on Reel 028793 Frame 0639. Assignor(s) hereby confirms the Assignment. | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kenneth J. Rothschild</td> <td>10/05/1999</td> </tr> <tr> <td>Sanjay M. Sonar</td> <td>10/04/1999</td> </tr> <tr> <td>Jerzy Olejnik</td> <td>10/05/1999</td> </tr> </tbody> </table> | | Name | Execution Date | Kenneth J. Rothschild | 10/05/1999 | Sanjay M. Sonar | 10/04/1999 | Jerzy Olejnik | 10/05/1999 | | |
| Name | Execution Date | | | | | | | | | | |
| Kenneth J. Rothschild | 10/05/1999 | | | | | | | | | | |
| Sanjay M. Sonar | 10/04/1999 | | | | | | | | | | |
| Jerzy Olejnik | 10/05/1999 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>The Trustees of Boston University, a Massachusetts corporation,</td> </tr> <tr> <td>Street Address:</td> <td>One Silber Way</td> </tr> <tr> <td>City:</td> <td>Boston</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02215</td> </tr> </table> | | Name: | The Trustees of Boston University, a Massachusetts corporation, | Street Address: | One Silber Way | City: | Boston | State/Country: | MASSACHUSETTS | Postal Code: | 02215 |
| Name: | The Trustees of Boston University, a Massachusetts corporation, | | | | | | | | | | |
| Street Address: | One Silber Way | | | | | | | | | | |
| City: | Boston | | | | | | | | | | |
| State/Country: | MASSACHUSETTS | | | | | | | | | | |
| Postal Code: | 02215 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13437589</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13437589 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13437589 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: | 4159570279 | | | | | | | | | | |
| Phone: | 4159575935 | | | | | | | | | | |
| Email: | gtsyal@medlencarroll.com, rldalton@medlencarroll.com, docketing@medlencarroll.com | | | | | | | | | | |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i> | | | | | | | | | | | |
| Correspondent Name: | Medlen & Carroll, LLP | | | | | | | | | | |
| Address Line 1: | 703 Market Street, Suite 340 | | | | | | | | | | |
| Address Line 4: | San Francisco, CALIFORNIA 94103 | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | AMBER-17331 | | | | | | | | | | |
| NAME OF SUBMITTER: | Garima Syal | | | | | | | | | | |

OP \$40.00 13437589

Total Attachments: 6

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| PATENT ASSIGNMENT |
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Electronic Version v1.1
 Stylesheet Version v1.1

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|---|--|
| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Kenneth J. Rothschild | 10/05/1999 |
| Sanjay M. Sonar | 10/04/1999 |
| Jerzy Olejnik | 10/05/1999 |
| RECEIVING PARTY DATA | |
| Name: | AmberGen, Inc. |
| Street Address: | 313 Pleasant Street |
| City: | Watertown |
| State/Country: | MASSACHUSETTS |
| Postal Code: | 02472 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13437589 |
| CORRESPONDENCE DATA | |
| Fax Number: | 4159570279 |
| Phone: | 4159575935 |
| Email: | gtsyal@medlencarroll.com, rldalton@medlencarroll.com, docketing@medlencarroll.com |
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| Correspondent Name: | Medlen & Carroll, LLP |
| Address Line 1: | 703 Market Street, Suite 340 |
| Address Line 4: | San Francisco, CALIFORNIA 94103 |
| ATTORNEY DOCKET NUMBER: | AMBER-17331 |
| NAME OF SUBMITTER: | Garima Syal |
| Signature: | /Garima Syal/ |

PATENT

REEL: 028918 FRAME: 0155

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| Date: | 08/15/2012 |
| Total Attachments: 3 source=1595-pgc#page1.tif source=clientassignment#page1.tif source=clientassignment#page2.tif | |
| RECEIPT INFORMATION | |
| EPAS ID: | PAT2063903 |
| Receipt Date: | 08/15/2012 |
| Fee Amount: | \$40 |

In accordance with C.F.R. 1.63(d)(iv), the attached Assignment is to be used for Continuation Appln Entitled: Detection of Disease Related Genes Filed: 04/02/2012 Attorney Docket No. AMBER-17331

PATENT Attorney Docket No.: AMBER-03747

ASSIGNMENT

WHEREAS, WE, Kenneth J. Rothschild, Sanjay M. Sonar and Jerzy Olejnik, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Electrophoresis Of Nascent Proteins
Filing Date: 05/07/99 Serial No.: 09/307,579

WHEREAS, Boston University, a Massachusetts corporation, 108 Bay State Road, Boston, Massachusetts 02215, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

Handwritten signature of Kenneth J. Rothschild over a horizontal line.

Kenneth J. Rothschild

Horizontal line for Sanjay M. Sonar signature.

Sanjay M. Sonar

Handwritten signature of Jerzy Olejnik over a horizontal line.

Jerzy Olejnik

STATE OF _____)
COUNTY OF _____)

ss.

On this _____ day of _____, in the year of _____, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.

NOTARY PUBLIC

SEAL

In accordance with C.F.R. 1.63(d)(iv), the attached Assignment is to be used for Continuation Appln Entitled: Detection of Disease Related Genes Filed: 04/02/2012 Attorney Docket No. AMBER-17331

ASSIGNMENT

WHEREAS, WE, Kenneth J. Rothschild, Sanjay M. Sonar and Jerzy Olejnik, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: Electrophoresis Of Nascent Proteins

Filing Date: Serial No.:

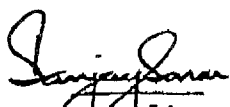
WHEREAS, Boston University, a Massachusetts corporation, 108 Bay State Road, Boston, Massachusetts 02215, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN. Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

Kenneth J. Rothschild



Sanjay M. Sonar

Jerzy Olejnik

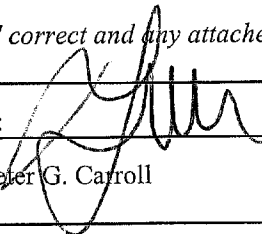
STATE OF _____)
COUNTY OF _____)

ss.

On this _____ day of _____, in the year of _____, before me, the undersigned notary public, personally appeared the above-named ASSIGNOR, known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged that he/she executed the same.

NOTARY PUBLIC

SEAL

| | | |
|---|--|--|
| Form PTO-1595 | RECORDATION FORM COVER SHEET | U.S. Department of Commerce Patent and Trademark Office |
| | PATENTS ONLY | |
| To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. | | |
| 1. Name of conveying party(ies): Rothschild, Kenneth J. Sonar, Sanjay M. Olejniak, Jerzy | 2. Name and address of receiving party(ies): AmberGen, Inc. 313 Pleasant Street Watertown, Massachusetts 02472 | |
| Additional name(s) of conveying party(ies) attached? No | Additional name(s) & address(es) attached? No | |
| 3. Nature of conveyance: Assignment Execution Date: 10/05/1999 10/04/1999 10/05/1999 | | |
| 4. Title of Invention: Detection of Disease Related Genes | | |
| A. New Patent Application No.(s): 13/437,589 | B. Patent No.(s): N/A | |
| Additional numbers attached? No | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: Peter G. Carroll MEDLEN & CARROLL, LLP 703 Market Street, Suite 340 San Francisco, California 94103 | 6. Total number of applications and patents involved: 1 | |
| | 7. Total fee(s): Payment in the amount of \$40 is submitted (\$40 Recordation fee). | |
| | 8. Deposit Account Authorization: The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 08-1290 . | |
| DO NOT USE THIS SPACE | | |
| 9. Statement and Signature: <i>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.</i> | | |
| Date: <u>August 15, 2012</u> | Signature:  | |
| | Name: Peter G. Carroll | |
| | Reg. No.: 32,837 | |