

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2724418

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>LEONORE A. HERZENBERG</td> <td>07/21/2011</td> </tr> <tr> <td>DAVID RHODES PARKS</td> <td>07/21/2011</td> </tr> <tr> <td>STEPHEN MEEHAN</td> <td>07/20/2011</td> </tr> <tr> <td>WAYNE A. MOORE</td> <td>07/21/2011</td> </tr> </tbody> </table>		Name	Execution Date	LEONORE A. HERZENBERG	07/21/2011	DAVID RHODES PARKS	07/21/2011	STEPHEN MEEHAN	07/20/2011	WAYNE A. MOORE	07/21/2011
Name	Execution Date										
LEONORE A. HERZENBERG	07/21/2011										
DAVID RHODES PARKS	07/21/2011										
STEPHEN MEEHAN	07/20/2011										
WAYNE A. MOORE	07/21/2011										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY</td> </tr> <tr> <td>Street Address:</td> <td>1705 EL CAMINO REAL</td> </tr> <tr> <td>City:</td> <td>PALO ALTO</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94306</td> </tr> </table>		Name:	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY	Street Address:	1705 EL CAMINO REAL	City:	PALO ALTO	State/Country:	CALIFORNIA	Postal Code:	94306
Name:	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY										
Street Address:	1705 EL CAMINO REAL										
City:	PALO ALTO										
State/Country:	CALIFORNIA										
Postal Code:	94306										
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>13105570</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13105570						
Property Type	Number										
Application Number:	13105570										
CORRESPONDENCE DATA											
Fax Number:	(973)295-1357										
Phone:	9733607934										
Email:	paynecam@gtlaw.com										
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>											
Correspondent Name:	BEVERLY W. LUBIT, PH.D.										
Address Line 1:	GREENBERG TRAUIG, LLP										
Address Line 2:	200 PARK AVENUE										
Address Line 4:	FLORHAM PARK, NEW JERSEY 07932										
ATTORNEY DOCKET NUMBER:	062602.020902										
NAME OF SUBMITTER:	BEVERLY W. LUBIT										

Signature:	/Beverly W. Lubit/
Date:	02/12/2014
<b>Total Attachments: 8</b> source=020902_assignment#page1.tif source=020902_assignment#page2.tif source=020902_assignment#page3.tif source=020902_assignment#page4.tif source=020902_assignment#page5.tif source=020902_assignment#page6.tif source=020902_assignment#page7.tif source=020902_assignment#page8.tif	

**ASSIGNMENT**

WHEREAS, **Leonore A. Herzenberg** ("ASSIGNOR") a citizen of the United States of America having an address at, 867 Cedro Way, Stanford, CA 94305, U.S., has rights in the invention(s) ("THE INVENTION(S)") described in U.S. Non-Provisional Application No. 13/105,570, filed May 11, 2011, U.S. Provisional Application No. 61/333,381, filed May 11, 2010, and U.S. Provisional Application No. 61/466,836, filed March 23, 2011, each of which is a continuation-in-part of U.S. Application No. 12/467,662, filed May 18, 2009, which claims priority to U.S. Provisional Patent Application Serial No. 61/053,974, filed May 16, 2008.

**AND WHEREAS, THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY**, ("ASSIGNEE"), a corporation organized and existing under the laws of the State of California in the U.S., desires to acquire the entire right, title, and interest in and to THE INVENTION(S) and in and to the Patent(s);

**NOW, THEREFORE**, in consideration of the sum of one dollar (\$1.00) in hand and/or other good and valuable consideration, the receipt of which is hereby acknowledged, **Leonore A. Herzenberg** has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to THE INVENTION(S) and the Patent(s) and all patents and patent applications claiming priority to and/or benefit of the Patent including divisions, continuations, and continuations-in-part thereof and all reissues, reexaminations, and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, registrations, inventor's certificates, and the like) heretofore or hereafter filed for THE INVENTION(S) in any foreign country/countries, and all patents (including all extensions, renewals and reissues thereof) granted for THE INVENTION(S) and the Patent(s) in any foreign country/countries;

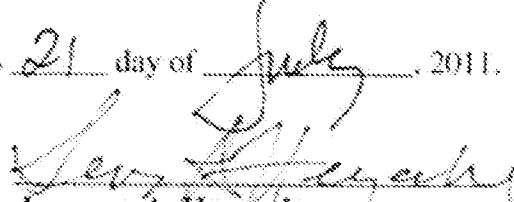
**AND Leonore A. Herzenberg HEREBY** authorizes and requests the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue the patent on an application as aforesaid, to issue the patent for THE INVENTION(S) and/or the Patent(s) in the name of ASSIGNEE in accordance with the terms of this assignment;

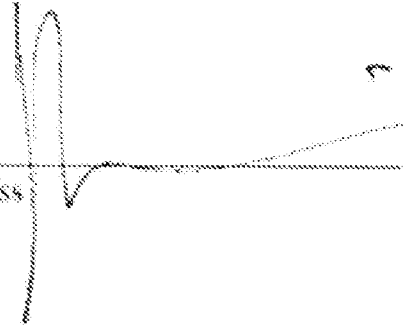
**AND Leonore A. Herzenberg HEREBY** covenants that **Leonore A. Herzenberg** has full right to convey the entire interest herein assigned, and that **Leonore A. Herzenberg** has not executed, and will not execute, any agreement in conflict herewith;

**AND Leonore A. Herzenberg HEREBY** further covenants and agrees that **Leonore A. Herzenberg** will communicate to ASSIGNEE any facts known to me respecting THE INVENTION(S) and the Patent(s), sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute, reexamination, and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for THE INVENTION(S) and the Patent(s).

--- SIGNATURES BEGIN ON NEXT PAGE ---

In testimony whereof, I hereunto set my hand this 21 day of July, 2011.

  
Leonore A. Herzenberg

Witness 

Witness  
Name  
Address  
City  
State  
Zip

ASSIGNMENT

WHEREAS, David Rhodes Parks ("ASSIGNOR") a citizen of the United States of America, residing at 585 Chenery Street, San Francisco, California 94131, U.S., has rights in the invention(s) ("THE INVENTION(S)") described in U.S. Non-Provisional Application No. 13/105,570, filed May 11, 2011, U.S. Provisional Application No. 61/333,381, filed May 11, 2010, and U.S. Provisional Application No. 61/466,836, filed March 23, 2011, each of which is a continuation-in-part of U.S. Application No. 12/467,662, filed May 18, 2009, which claims priority to U.S. Provisional Patent Application Serial No. 61/053,974, filed May 16, 2008.

AND WHEREAS, THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, ("ASSIGNEE"), a corporation organized and existing under the laws of the State of California in the U.S., desires to acquire the entire right, title, and interest in and to THE INVENTION(S) and in and to the Patent(s);

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00) in hand and/or other good and valuable consideration, the receipt of which is hereby acknowledged, David Rhodes Parks has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to THE INVENTION(S) and the Patent and all patents and patent applications claiming priority to and/or benefit of the Patent including divisions, continuations, and continuations-in-part thereof and all reissues, reexaminations, and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, registrations, inventor's certificates, and the like) heretofore or hereafter filed for THE INVENTION(S) in any foreign country/countries, and all patents (including all extensions, renewals and reissues thereof) granted for THE INVENTION(S) and the Patent(s) in any foreign country/countries;

AND David Rhodes Parks HEREBY authorizes and requests the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue the patent on an application as aforesaid, to issue the patent for THE INVENTION(S) and/or the Patent(s) in the name of ASSIGNEE in accordance with the terms of this assignment;


AND David Rhodes Parks HEREBY covenants that David Rhodes Parks has full right to convey the entire interest herein assigned, and that David Rhodes Parks has not executed, and will not execute, any agreement in conflict herewith;

AND David Rhodes Parks HEREBY further covenants and agrees that David Rhodes Parks will communicate to ASSIGNEE any facts known to me respecting THE INVENTION(S) and the Patent(s), sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute, reexamination, and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for THE INVENTION(S) and the Patent(s).

--- SIGNATURES BEGIN ON NEXT PAGE ---

In testimony whereof, I hereunto set my hand this 21 day of July, 2011.

  
\_\_\_\_\_  
David Rhodes Parks, Ph.D.

  
\_\_\_\_\_  
Witness

**ASSIGNMENT**

WHEREAS, **Stephen Meehan** ("ASSIGNOR") a citizen of Canada, residing at 3826 Dubois Street, Burnaby, Vancouver, Canada V5J 1L 1, CA, has rights in the invention(s) ("THE INVENTION(S)") described in U.S. Non-Provisional Application No: 13/105,570, filed May 11, 2011, U.S. Provisional Application No. 61/333,381, filed May 11, 2010, and U.S. Provisional Application No. 61/466,836, filed March 23, 2011, each of which is a continuation-in-part of U.S. Application No. 12/467,662, filed May 18, 2009, which claims priority to U.S. Provisional Patent Application Serial No. 61/053,974, filed May 16, 2008.

**AND WHEREAS, THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY**, ("ASSIGNEE"), a corporation organized and existing under the laws of the State of California in the U.S., desires to acquire the entire right, title, and interest in and to THE INVENTION(S) and in and to the Patent(s):

**NOW, THEREFORE**, in consideration of the sum of one dollar (\$1.00) in hand and/or other good and valuable consideration, the receipt of which is hereby acknowledged, **Stephen Meehan** has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to THE INVENTION(S) and the Patent(s) and all patents and patent applications claiming priority to and/or benefit of the Patent including divisions, continuations, and continuations-in-part thereof and all reissues, reexaminations, and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, registrations, inventor's certificates, and the like) heretofore or hereafter filed for THE INVENTION(S) in any foreign country/countries, and all patents (including all extensions, renewals and reissues thereof) granted for THE INVENTION(S) and the Patent(s) in any foreign country/countries;

**AND Stephen Meehan** HEREBY authorizes and requests the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue the patent on an application as aforesaid, to issue the patent for THE INVENTION(S) and/or the Patent in the name of ASSIGNEE in accordance with the terms of this assignment;

**AND Stephen Meehan** HEREBY covenants that **Stephen Meehan** has full right to convey the entire interest herein assigned, and that **Stephen Meehan** has not executed, and will not execute, any agreement in conflict herewith;


**AND Stephen Meehan** HEREBY further covenants and agrees that **Stephen Meehan** will communicate to ASSIGNEE any facts known to me respecting THE INVENTION(S) and the Patent(s), sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute, reexamination, and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for THE INVENTION(S) and the Patent(s).

--- SIGNATURES BEGIN ON NEXT PAGE ---

In testimony whereof, I hereunto set my hand this 20 day of July, 2011.



\_\_\_\_\_  
Stephen Meehan



\_\_\_\_\_  
Witness



**ASSIGNMENT**

WHEREAS, **Wayne A. Moore** (“**ASSIGNOR**”) a citizen of the United States of America, residing at 4308 19<sup>th</sup> Street, San Francisco, California, 94114, U.S., has rights in the invention(s) (“**THE INVENTION(S)**”) described in U.S. Non-Provisional Application No: 13/105,570, filed May 11, 2011, U.S. Provisional Application No. 61/333,381, filed May 11, 2010, and U.S. Provisional Application No. 61/466,836, filed March 23, 2011, each of which is a continuation-in-part of U.S. Application No. 12/467,662, filed May 18, 2009, which claims priority to U.S. Provisional Patent Application Serial No. 61/053,974, filed May 16, 2008.

**AND WHEREAS, THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY**, (“**ASSIGNEE**”), a corporation organized and existing under the laws of the State of California in the U.S., desires to acquire the entire right, title, and interest in and to **THE INVENTION(S)** and in and to the Patent(s);

**NOW, THEREFORE**, in consideration of the sum of one dollar (\$1.00) in hand and/or other good and valuable consideration, the receipt of which is hereby acknowledged, **Wayne A. Moore** has sold, assigned, transferred and set over, and does hereby sell, assign, transfer and set over to **ASSIGNEE** the entire right, title and interest in and to **THE INVENTION(S)** and the Patent and all patents and patent applications claiming priority to and/or benefit of the Patent including divisions, continuations, and continuations-in-part thereof and all reissues, reexaminations, and extensions thereof, and all priority rights under the International Convention for the Protection of Industrial Property for every member country, and all applications for patents (including related rights such as utility-model registrations, registrations, inventor's certificates, and the like) heretofore or hereafter filed for **THE INVENTION(S)** in any foreign country/countries, and all patents (including all extensions, renewals and reissues thereof) granted for **THE INVENTION(S)** and the Patent(s) in any foreign country/countries;

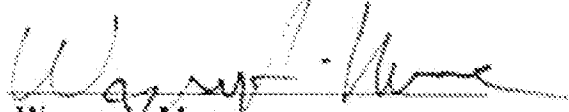
**AND Wayne A. Moore HEREBY** authorizes and requests the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty is to issue the patent on an application as aforesaid, to issue the patent for **THE INVENTION(S)** and/or the Patent(s) in the name of **ASSIGNEE** in accordance with the terms of this assignment;

**AND Wayne A. Moore HEREBY** covenants that **Wayne A. Moore** has full right to convey the entire interest herein assigned, and that **Wayne A. Moore** has not executed, and will not execute, any agreement in conflict herewith;

**AND Wayne A. Moore HEREBY** further covenants and agrees that **Wayne A. Moore** will communicate to **ASSIGNEE** any facts known to me respecting **THE INVENTION(S)** and the Patent(s), sign all lawful papers, execute all divisional, continuation, continuations-in-part, substitute, reexamination, and reissue applications, make all rightful oaths and generally do everything possible to aid **ASSIGNEE** to obtain and enforce proper patent protection for **THE INVENTION(S)** and the Patent(s).

--- SIGNATURES BEGIN ON NEXT PAGE ---

In testimony whereof, I hereunto set my hand this 21 day of July, 2011.

  
Wayne A. Moore

Witness 