

PATENT ASSIGNMENT

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Stylesheet Version v1.1

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>Kam Fai Tse</td> <td>07/19/2006</td> </tr> <tr> <td>Vincent Pollack</td> <td>07/06/2006</td> </tr> <tr> <td>Luca Rastelli</td> <td>07/04/2006</td> </tr> <tr> <td>Henri Lichenstein</td> <td>07/06/2006</td> </tr> <tr> <td>Michael Jeffers</td> <td>07/06/2006</td> </tr> <tr> <td>William LaRochelle</td> <td>07/11/2006</td> </tr> <tr> <td>Gulshan Ara</td> <td>07/11/2006</td> </tr> <tr> <td>Peter Mezes</td> <td>07/11/2006</td> </tr> <tr> <td>Andrei Chapoval</td> <td>07/18/2006</td> </tr> </tbody> </table>		Name	Execution Date	Kam Fai Tse	07/19/2006	Vincent Pollack	07/06/2006	Luca Rastelli	07/04/2006	Henri Lichenstein	07/06/2006	Michael Jeffers	07/06/2006	William LaRochelle	07/11/2006	Gulshan Ara	07/11/2006	Peter Mezes	07/11/2006	Andrei Chapoval	07/18/2006
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Gulshan Ara	07/11/2006																				
Peter Mezes	07/11/2006																				
Andrei Chapoval	07/18/2006																				
RECEIVING PARTY DATA																					
Name:	CuraGen Corporation																				
Street Address:	322 East Main Street																				
City:	Branford																				
State/Country:	CONNECTICUT																				
Postal Code:	06405																				
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>13355366</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13355366																
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CORRESPONDENCE DATA																					
Fax Number:																					
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																					
Email:	jakarnakis@mintz.com																				
Correspondent Name:	Jennifer A. Karnakis																				
Address Line 1:	One Financial Center																				
Address Line 4:	Boston, MASSACHUSETTS 02111																				
ATTORNEY DOCKET NUMBER:	21402-669C10US																				

OP \$40.00 13355366

NAME OF SUBMITTER:	Jennifer A. Kamakis
Signature:	/Jennifer A. Karnakis/
Date:	09/20/2013
Total Attachments: 10 source=CURA969_A2_1#page1.tif source=CURA969_A2_1#page2.tif source=CURA969_A2_1#page3.tif source=CURA969_A2_1#page4.tif source=CURA969_A2_1#page5.tif source=CURA969_A2_1#page6.tif source=CURA969_A2_1#page7.tif source=CURA969_A2_1#page8.tif source=CURA969_A2_1#page9.tif source=CURA969_A2_1#page10.tif	

Express Mail Label No.:
Date of Deposit: July ____, 2006

Attorney Docket No. 21402-669-061
Cura 969 PCT

ASSIGNMENT

We, **Kam Fai Tse, Vincent A. Pollack, Luca Rastelli, John Herrmann, Henri S. Lichenstein, Michael E. Jeffers, William J. LaRochelle, Gulshan Ara, Peter Mezes, and Andrei Chapoval** the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to **CuraGen Corporation**, a Delaware corporation, with offices at **322 East Main Street, Branford, CT 06405**, and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

ANTIBODIES DIRECTED TO GPNMB AND USES THEREOF

filed with the U.S. Patent and Trademark Office as International Receiving Office on **November 30, 2005**, and assigned **International Application Serial No. PCT/US2005/043482** including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefore; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in our names at the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do that necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

Attorney Docket No.: 21402-669-061

Inventors: Tse, *et al.*

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: July 19, 2006


Signature of: Kam Fai Tse

State of Pennsylvania
County of USA

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____

Date:

Signature of: Vincent A. Pollack

State of _____
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____

Attorney Docket No.: 21402-669-061

Inventors: Tse, et al.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date:

Signature of: Kam Fai Tse

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____

Date:

July 6, 2006

Signature of: Vincent A. Pollack

Vincent A. Pollack

State of

Sturbridge

County of

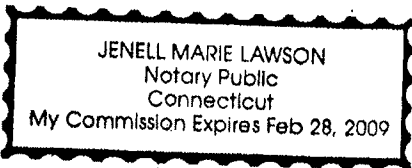
Subscribed and sworn to before me this 06 day of

July 2006

Notary Public

My commission expires

2/28/09



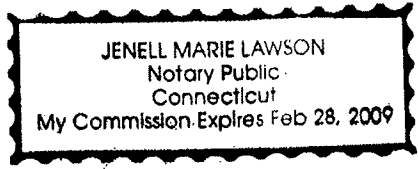
Attorney Docket No.: 21402-669-061
Inventors: Tse, et al.

Date: 7/14/09
Signature of: Luca Rastelli

State of CT
County of New Haven

Subscribed and sworn to before me this 14 day of July 2009.

Jenell Marie Lawson
Notary Public
My commission expires 2/28/09



Date: _____
Signature of: John Herrmann

State of _____
County of _____

Subscribed and sworn to before me this _____ day of _____.

Notary Public
My commission expires _____

Attorney Docket No.: 21402-669-061
Inventors: Tse, et al.

Date: 7/6/06

Henri Lichenstein
Signature of: Henri S. Lichenstein

State of CT

County of New Haven

Subscribed and sworn to before me this 6 day of July 2006

Jenell Marie Lawson
Notary Public
My commission expires 2/28/09

JENELL MARIE LAWSON
Notary Public
Connecticut
My Commission Expires Feb 28, 2009

Attorney Docket No.: 21402-669-061
Inventors: Tse, et al.

Date: 7-6-06

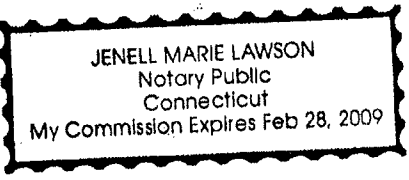
Michael E. Jeffers
Signature of: Michael E. Jeffers

State of CT

County of New Haven

Subscribed and sworn to before me this 6 day of July 2006

Jenell Marie Lawson
Notary Public
My commission expires 2/28/09



Date: _____
Signature of: William J. LaRochelle

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public
My commission expires _____

Attorney Docket No.: 21402-669-061
Inventors: Tse, et al.

Date:

Signature of: Michael E. Jeffers

State of _____

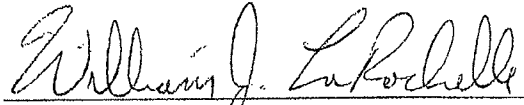
County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

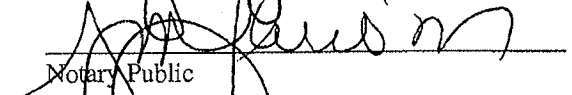
My commission expires _____

Date: 7/17/06


Signature of: William J. LaRochelle

State of CT
County of New Haven

Subscribed and sworn to before me this 11 day of July 06.


Notary Public
My commission expires _____

Attorney Docket No.: 21402-669-061

Inventors: Tse, et al.

Date: 7/11/09

Gulshan Ara

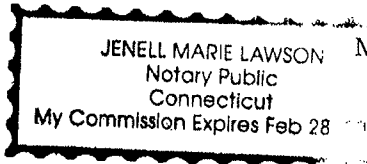
Signature of: Gulshan Ara

State of CT

County of New Haven

Subscribed and sworn to before me this 11 day of July 2009.

[Signature]
Notary Public



My commission expires 2/28/09

Date:

Signature of: Peter Mezes

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____

Attorney Docket No.: 21402-669-061

Inventors: Tse, et al.

Date:

Signature of: Gulshan Ara

State of _____

County of _____

Subscribed and sworn to before me this ____ day of _____.

Notary Public

My commission expires _____

Date: July 11, 2006

Signature of: Peter Mezes

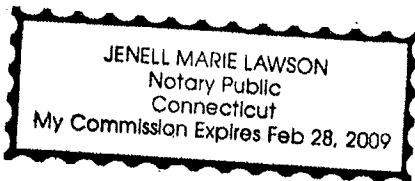
State of CT

County of New Haven

Subscribed and sworn to before me this 11 day of July 2006

Notary Public

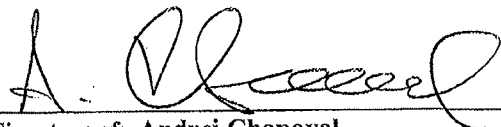
My commission expires 2/28/09



Attorney Docket No.: 21402-669-061

Inventors: Tse, et al.

Date: 07.18.06

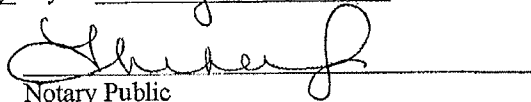


Signature of: Andrei Chapoval

State of Maryland

County of Baltimore City

Subscribed and sworn to before me this 18 day of July 2006.



Notary Public

My commission expires 8/3/2008

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