

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>Karl Dane Wittrup</td> <td>03/05/2013</td> </tr> <tr> <td>Jamie B. Spangler</td> <td>02/23/2013</td> </tr> <tr> <td>Benjamin E. Epstein</td> <td>02/26/2013</td> </tr> <tr> <td>Brian L. Ross</td> <td>03/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	Karl Dane Wittrup	03/05/2013	Jamie B. Spangler	02/23/2013	Benjamin E. Epstein	02/26/2013	Brian L. Ross	03/15/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Massachusetts Institute of Technology</td> </tr> <tr> <td>Street Address:</td> <td>77 Massachusetts Avenue</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02139</td> </tr> </table>		Name:	Massachusetts Institute of Technology	Street Address:	77 Massachusetts Avenue	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02139
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 6177424214  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 6172024626</p> <p>Email: ipboston.docketing@nelsonmullins.com</p> <p>Correspondent Name: Amy E. Mandragouras, Esq.</p> <p>Address Line 1: Nelson Mullins Riley &amp; Scarborough LLP</p> <p>Address Line 2: One Post Office Square</p> <p>Address Line 4: Boston, MASSACHUSETTS 02109</p>											
ATTORNEY DOCKET NUMBER:	MITN-016US										
NAME OF SUBMITTER:	Amy E. Mandragouras, Esq.										
Signature:	/Amy E. Mandragouras, Esq./										

PATENT

Date:

05/16/2013

**Total Attachments: 20**

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### ASSIGNMENT BY INVENTORS

WE, Karl Dane WITTRUP; Jamie B. SPANGLER; Benjamin E. EPSTEIN; and Brian L. ROSS, of Chestnut Hill, Massachusetts; Palo Alto, California; Chevy Chase, Maryland; and Baltimore, Maryland, respectively, in consideration of One Dollar and other valuable consideration paid to us by

Massachusetts Institute of Technology

a Non-profit Corporation of Massachusetts, having its principal place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Massachusetts Institute of Technology

its successors and assigns, the entire interest for the United States of America and all foreign countries including all rights of priority under the International Convention for the Protection of Industrial Property in a certain invention or improvement in

#### ANTIBODY-BASED CONSTRUCTS DIRECTED AGAINST TYROSINE KINASE RECEPTORS

described in an application

☐ Executed by us of even date herewith and about to be filed

or

☒ Application No. 13/817,525, filed on February 18, 2013

This application claims the benefit of the following provisional application(s):

☒ Provisional Application No. 61/375765, filed on August 20, 2010

in the United States Patent and Trademark Office, and in all Letters Patent of the United States and all foreign countries which may or shall be granted on said invention, or any parts thereof, or on said application, or any divisional, continuing, reissue or other applications based in whole or in part thereon. And we agree, for ourselves and our executors and administrators, with said University and its successors and assigns but at its or their expense and charges, hereafter to execute all applications, amended specifications, deed or other instrument, and to do all acts necessary or proper to secure the grant of Letters Patent in the United States and in all other countries to said University, with specifications and claims in such form as shall be approved by the counsel of said University and to vest and confirm in said University, its successors and assigns, the legal title to all such patents.

And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said University, its successors and assigns.

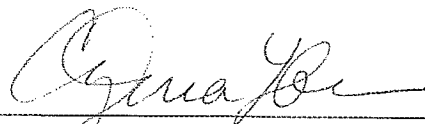
And we do further hereby grant the attorneys/agents of Nelson Mullins Riley & Scarborough LLP, the power to insert on this Assignment the filing date and/or application number of said application.

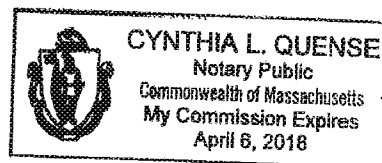
  
Karl Dane Wittrup

Date: March 5, 2013

United States of America )  
State of MA ) ss.:  
County of Middlesex )

On this 5<sup>th</sup> day of March, 2013 before me, the  
the undersigned notary public, personally appeared Karl Dane W. Wittrup  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was MA D/L, to be the person whose name  
is signed on the preceding or attached document in my presence.

  
\_\_\_\_\_(official signature and seal of notary)  
My commission expires April 6, 2018



\_\_\_\_\_  
Jamie B. Spangler

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
(official signature and seal of notary)

My commission expires \_\_\_\_\_

\_\_\_\_\_  
Benjamin E. Epstein

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
(official signature and seal of notary)

My commission expires \_\_\_\_\_

\_\_\_\_\_  
Brian L. Ross

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_) ss.:  
County of \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
(official signature and seal of notary)

My commission expires \_\_\_\_\_

## ASSIGNMENT BY INVENTORS

WE, Karl Dane WITTRUP; Jamie B. SPANGLER; Benjamin E. EPSTEIN; and Brian L. ROSS, of Chestnut Hill, Massachusetts; Palo Alto, California; Chevy Chase, Maryland; and Baltimore, Maryland, respectively, in consideration of One Dollar and other valuable consideration paid to us by

Massachusetts Institute of Technology

a Non-profit Corporation of Massachusetts, having its principal place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Massachusetts Institute of Technology

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And we do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said University, its successors and assigns.

And we do further hereby grant the attorneys/agents of Nelson Mullins Riley & Scarborough LLP, the power to insert on this Assignment the filing date and/or application number of said application.

\_\_\_\_\_  
Karl Dane Wittrup

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
(official signature and seal of notary)

My commission expires \_\_\_\_\_

Jamie Spangler  
Jamie B. Spangler

Date: 2-23-13

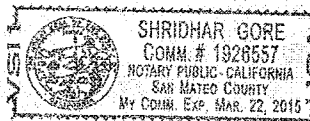
United States of America )  
State of California ) ss.:  
County of San Mateo

On this 23<sup>rd</sup> day of Feb., 2013 before me, the  
the undersigned notary public, personally appeared Jamie B. Spangler  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was CA DL # F3044739, to be the person whose name  
is signed on the preceding or attached document in my presence.

Gore

(official signature and seal of notary)

My commission expires 03/22/2015



\_\_\_\_\_  
Benjamin E. Epstein

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_) ss.:  
County of \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
(official signature and seal of notary)

My commission expires \_\_\_\_\_

\_\_\_\_\_  
Brian L. Ross

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_) ss.:  
County of \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_(official signature and seal of notary)

My commission expires \_\_\_\_\_

ASSIGNMENT BY INVENTORS

WE, Karl Dane WITTRUP; Jamie B. SPANGLER; Benjamin E. EPSTEIN; and Brian L. ROSS, of Chestnut Hill, Massachusetts; Palo Alto, California; Chevy Chase, Maryland; and Baltimore, Maryland, respectively, in consideration of One Dollar and other valuable consideration paid to us by

Berkeley, California  
BEE 2/25/2013

Massachusetts Institute of Technology

a Non-profit Corporation of Massachusetts, having its principal place of business at 77 Massachusetts Avenue, Cambridge, Massachusetts 02139, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said

Massachusetts Institute of Technology

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\_\_\_\_\_  
Karl Dane Wittrup

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
(official signature and seal of notary)

My commission expires \_\_\_\_\_

\_\_\_\_\_  
Jamie B. Spangler

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
(official signature and seal of notary)

My commission expires \_\_\_\_\_

Benjamin E. Epstein  
Benjamin E. Epstein

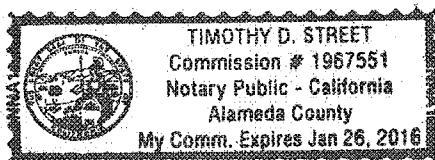
Date: 2.26.13

United States of America )  
State of California ) ss.:  
County of Alameda )

On this 26 day of Feb, 2013 before me, the  
the undersigned notary public, personally appeared Tim Street  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was Benjamin E. Epstein, to be the person whose name  
is signed on the preceding or attached document in my presence.

Tim Street (official signature and seal of notary)

My commission expires Jan 26, 2016





\_\_\_\_\_  
Brian L. Ross

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_) ss.:  
County of \_\_\_\_\_)

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_(official signature and seal of notary)

My commission expires \_\_\_\_\_

### ASSIGNMENT BY INVENTORS

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MITN-016US  
(MIT 14442)

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\_\_\_\_\_  
Karl Dane Wittrup

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
(official signature and seal of notary)

My commission expires \_\_\_\_\_

MITN-016US  
(MIT 14442)

\_\_\_\_\_  
Jamie B. Spangler

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

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is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
(official signature and seal of notary)

My commission expires \_\_\_\_\_

\_\_\_\_\_  
Benjamin E. Epstein

Date: \_\_\_\_\_

United States of America )  
State of \_\_\_\_\_ ) ss.:  
County of \_\_\_\_\_ )

On this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ before me, the  
the undersigned notary public, personally appeared \_\_\_\_\_  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was \_\_\_\_\_, to be the person whose name  
is signed on the preceding or attached document in my presence.

\_\_\_\_\_  
(official signature and seal of notary)

My commission expires \_\_\_\_\_

Brian L. Ross

Brian L. Ross

Date: March 15<sup>th</sup>, 2013

United States of America )  
State of Maryland ) ss.:  
County of Baltimore City )

On this 15<sup>th</sup> day of March, 2013 before me, the  
the undersigned notary public, personally appeared Brian Louis Ross  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was Maryland Driver's License of the person whose name  
is signed on the preceding or attached document in my presence.

Philip B...

(official signature and seal of notary)

My commission expires November 10<sup>th</sup>, 2015