

## PATENT ASSIGNMENT

Electronic Version v1.1  
 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>Shuguang Zhang</td> <td>03/23/2012</td> </tr> <tr> <td>Alexander Rich</td> <td>08/08/2012</td> </tr> <tr> <td>Karolina Corin</td> <td>03/23/2012</td> </tr> <tr> <td>Lotta T. Tegler</td> <td>03/23/2012</td> </tr> </tbody> </table>		Name	Execution Date	Shuguang Zhang	03/23/2012	Alexander Rich	08/08/2012	Karolina Corin	03/23/2012	Lotta T. Tegler	03/23/2012
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Shuguang Zhang	03/23/2012										
Alexander Rich	08/08/2012										
Karolina Corin	03/23/2012										
Lotta T. Tegler	03/23/2012										
RECEIVING PARTY DATA											
Name:	Massachusetts Institute of Technology										
Street Address:	77 Massachusetts Avenue										
City:	Cambridge										
State/Country:	MASSACHUSETTS										
Postal Code:	02139										
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>13403725</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13403725						
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Application Number:	13403725										
CORRESPONDENCE DATA											
Fax Number:	9782513973										
Phone:	978-251-3509										
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ATTORNEY DOCKET NUMBER:	4041.3017 US1										
NAME OF SUBMITTER:	Mahreen Chaudhry Hoda, Reg No. 52448										
Total Attachments: 4 source=40413017US1Assignments#page1.tif source=40413017US1Assignments#page2.tif source=40413017US1Assignments#page3.tif source=40413017US1Assignments#page4.tif											

CH \$40.00 13403725

ASSIGNMENT

WHEREAS, we, **Shuguang Zhang, Alexander Rich, Karolina Corin and Lotta T. Tegler** have invented a certain improvement in **Water Soluble Membrane Proteins and Methods for the Preparation and Use Thereof** described in an application for Letters Patent of the United States, the specification of which:

- is being executed on even date herewith and is about to be filed in the United States Patent Office;
- was filed on **February 23, 2012** as Application No. **13/403,725**;
- was patented under U.S. Patent No. [ ] on [ ].

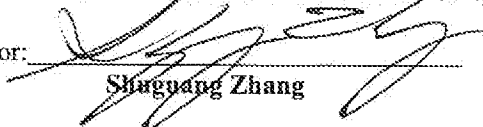
WHEREAS, **Massachusetts Institute of Technology** (hereinafter "ASSIGNEE"), a university organized and existing under the laws of the **Commonwealth of Massachusetts**, and having a usual place of business at **77 Massachusetts Avenue, Cambridge, Massachusetts 02139** desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

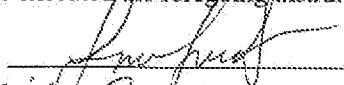

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor:   
Shuguang Zhang

State/Commonwealth  
of Massachusetts  
County of Middlesex

On this 23<sup>rd</sup> day of March, 2012, before me, the undersigned notary public, personally appeared **Shuguang Zhang** proved to me through satisfactory evidence of identification, which were Massachusetts Driver License, to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the foregoing instrument as his/her free act and deed.

 Notary Public  
LUCIA SANDER (print name)  
My Commission expires 11/29/13 

(SEAL)

ASSIGNMENT

WHEREAS, we, Shuguang Zhang, Alexander Rich, Karolina Corin and Lotta T. Tegler have invented a certain improvement in **Water Soluble Membrane Proteins and Methods for the Preparation and Use Thereof** described in an application for Letters Patent of the United States, the specification of which:

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IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: *Alexander Rich*  
**Alexander Rich**

~~State~~ Commonwealth  
of Massachusetts  
County of Middlesex

On this 8th day of August, 2012, before me, the undersigned notary public, personally appeared **Alexander Rich** proved to me through satisfactory evidence of identification, which were MASS DRIVERS LICENSE, to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the foregoing instrument as his/her free act and deed.

(SEAL) *Francine K. Chappit* Notary Public  
Francine K. Chappit (print name)

My Commission expires 03/19/2015

ASSIGNMENT

WHEREAS, we, Shuguang Zhang, Alexander Rich, Karolina Corin and Lotta T. Tegler have invented a certain improvement in **Water Soluble Membrane Proteins and Methods for the Preparation and Use Thereof** described in an application for Letters Patent of the United States, the specification of which:

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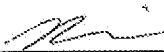
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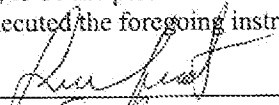
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IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor:   
**Karolina Corin**

State/Commonwealth  
of Massachusetts  
County of Middlesex

On this 23<sup>rd</sup> day of March, 2012, before me, the undersigned notary public, personally appeared **Karolina Corin** proved to me through satisfactory evidence of identification, which were California Drivers License, to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the foregoing instrument as his/her free act and deed.

 Notary Public  
LUCIA Sander (print name)

(SEAL)

My Commission expires 11 / 29 / 2013

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IN TESTIMONY WHEREOF, we have hereunto set our hands and affixed our seals the date set forth below.

Inventor: *Lotta T. Tegler*  
Lotta T. Tegler

State/Commonwealth of Massachusetts  
County of Middlesex

On this 23<sup>rd</sup> day of March, 2012, before me, the undersigned notary public, personally appeared **Lotta T. Tegler** proved to me through satisfactory evidence of identification, which were Passport/Border w/USA Visa, to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the foregoing instrument as his/her free act and deed.

*Lucia Sander* Notary Public  
LUCIA SANDER (print name)

(SEAL)

My Commission expires 11 / 29 / 2013

{/--- GENPPAL --/4041/3017US1/05014259/v1}

*Lucia Sander Notary Public Commonwealth of Massachusetts  
My Commission Expires November 29 2013*