

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>James R. Heath</td> <td>09/20/2012</td> </tr> <tr> <td>Su Seong Lee</td> <td>09/27/2012</td> </tr> <tr> <td>Jaehong Lim</td> <td>09/27/2012</td> </tr> <tr> <td>Junhoe Cha</td> <td>09/28/2012</td> </tr> <tr> <td>Sylvia Tan</td> <td>09/20/2012</td> </tr> <tr> <td>Shi Yun Yeo</td> <td>12/12/2012</td> </tr> </tbody> </table>		Name	Execution Date	James R. Heath	09/20/2012	Su Seong Lee	09/27/2012	Jaehong Lim	09/27/2012	Junhoe Cha	09/28/2012	Sylvia Tan	09/20/2012	Shi Yun Yeo	12/12/2012
Name	Execution Date														
James R. Heath	09/20/2012														
Su Seong Lee	09/27/2012														
Jaehong Lim	09/27/2012														
Junhoe Cha	09/28/2012														
Sylvia Tan	09/20/2012														
Shi Yun Yeo	12/12/2012														
RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Agency For Science, Technology and Research</td> </tr> <tr> <td>Street Address:</td> <td>1 Fusionopolis Way</td> </tr> <tr> <td>Internal Address:</td> <td>#20-10</td> </tr> <tr> <td>City:</td> <td>Connexis</td> </tr> <tr> <td>State/Country:</td> <td>SINGAPORE</td> </tr> <tr> <td>Postal Code:</td> <td>138632</td> </tr> </table>		Name:	Agency For Science, Technology and Research	Street Address:	1 Fusionopolis Way	Internal Address:	#20-10	City:	Connexis	State/Country:	SINGAPORE	Postal Code:	138632		
Name:	Agency For Science, Technology and Research														
Street Address:	1 Fusionopolis Way														
Internal Address:	#20-10														
City:	Connexis														
State/Country:	SINGAPORE														
Postal Code:	138632														
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>13386333</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13386333										
Property Type	Number														
Application Number:	13386333														
CORRESPONDENCE DATA															
Fax Number:	6176468646														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	617-646-8000														
Email:	patents_timo@wolfgreenfield.com														
Correspondent Name:	Wolf, Greenfield & Sacks, P.C.														
Address Line 1:	600 Atlantic Avenue														
Address Line 4:	Boston, MASSACHUSETTS 02210														
ATTORNEY DOCKET NUMBER:	S1507.70018US00														

OP \$40.00 13386333

NAME OF SUBMITTER:

Eileen M. MacKenzie

Total Attachments: 7

source=S150770018US00-ASI-TJO#page1.tif

source=S150770018US00-ASI-TJO#page2.tif

source=S150770018US00-ASI-TJO#page3.tif

source=S150770018US00-ASI-TJO#page4.tif

source=S150770018US00-ASI-TJO#page5.tif

source=S150770018US00-ASI-TJO#page6.tif

source=S150770018US00-ASI-TJO#page7.tif

ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

1. Sell, assign and transfer to Agency for Science, Technology and Research, a Corporation having a place of business at 1 Fusionopolis Way; #20-10; Connexis 138632; REPUBLIC OF SINGAPORE, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the application for United States Letters Patent filed in the United States Patent and Trademark Office on January 20, 2012 under No. 13/386,333, bearing Attorney Docket No. S1507.70018US00, and entitled DIFFERENTIATION OF ISOBARIC AMINO ACIDS AND OTHER SPECIES, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea;
2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
3. Request the Director of the United States Patent and Trademark Office to issue the Letters Patent to the Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

-2707412.1

9/20/2012
Date



Inventor: James R. Heath

Address: c/o Institute of Bioengineering and Nanotechnology
31 Biopolis Way, The Nanos, #04-01
Singapore 138669
REPUBLIC OF SINGAPORE

Citizenship: US

Witness:

9/20/2012
Date



Signature

Name: Elyse J. Garlock

Address: 1200 E. California Blvd. MC 127-70
Pasadena, CA 91125

Witness:


9/20/12
Date


Signature

Name: JOSEPH VARANESE

Address: 1200 EAST CALIFORNIA BLVD.
PASADENA, CA 91125

27-9-2012
Date

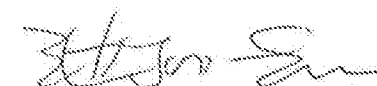

Inventor: Su Seong Lee
Address: c/o Institute of Bioengineering and Nanotechnology
31 Biopolis Way, The Nanos, #04-01
Singapore 138669
REPUBLIC OF SINGAPORE
Citizenship: Republic of Korea

Witness:
27/9/2012
Date


Signature

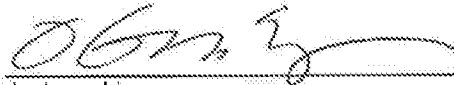
Name: Jaehong Lim
Address: IBN, 31 Biopolis Way,
The Nanos, #04-01
Singapore 138669

Witness:
27/9/2012
Date


Signature


Name: Joo-Eun Jee
Address: IBN, 31 Biopolis Way,
The Nanos, #04-01
Singapore 138669

27/9/2012
Date


Inventor: Jaehong Lim
Address: c/o Institute of Bioengineering and Nanotechnology
31 Biopolis Way, The Nanos, #04-01
Singapore 138669
REPUBLIC OF SINGAPORE
Citizenship: Republic of Korea

Witness:

27-9-2012
Date


Signature

Name: Su Seong Lee
Address: IBN, 31 Biopolis Way, The Nanos
#04-01 Singapore 138669

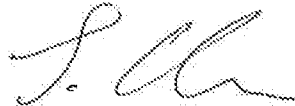
Witness:

27/09/2012
Date


Signature

Name: Joo-Em Jee
Address: IBN, 31 Biopolis Way, The Nanos
#04-01 Singapore 138669


28/09/2012
Date


Inventor: Junhoe Cha

Address: c/o Institute of Bioengineering and Nanotechnology
31 Biopolis Way, The Nanos, #04-01
Singapore 138669
REPUBLIC OF SINGAPORE

Citizenship: Republic of Korea

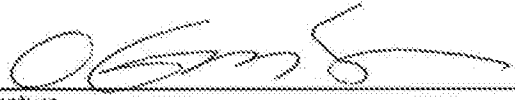
Witness:
9/10/2012
Date


Signature

Name: Su Seong Lee

Address: IBN, 31 Biopolis Way, The
Nanos, #04-01, Singapore 138669

Witness:
9/10/2012
Date


Signature

Name: Jaehong Lim

Address: IBN, 31 Biopolis Way
The Nanos #04-01, Singapore 138669

Date 20/8/12

Inventor: Sylvia Tan
Address: c/o Institute of Bioengineering and Nanotechnology
31 Biopolis Way, The Nanos, #04-01
Singapore 138669
REPUBLIC OF SINGAPORE
Citizenship: Republic of Singapore

Witness:

27 - 9 - 2012
Date

[Signature]
Signature

Name: Su Seong Lee

Address: IBN, 31 Biopolis Way, The Nanos
#04-01 Singapore 138669

Witness:

27/9/2012
Date

[Signature]
Signature

Name: Jaehong Lim

Address: IBN, 31 Biopolis Way
The Nanos, #04-01
Singapore 138669

12/12/2012

Date

Inventor:  Shi Yur Yeo

Address: c/o Institute of Bioengineering and Nanotechnology

31 Biopolis Way, The Nanos, #04-01

Singapore 138669

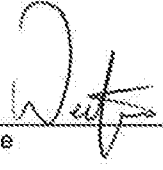
REPUBLIC OF SINGAPORE

Citizenship: Republic of Singapore

Witness:

12/12/2012

Date

Signature 

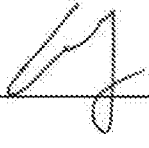
Name:

Address: c/o IBN

Witness:

12/12/2012

Date

Signature 

Name:

Address: c/o IBN