

## 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>Decheng Wu</td> <td>11/05/2012</td> </tr> <tr> <td>Ye Liu</td> <td>11/19/2012</td> </tr> <tr> <td>Chee Leng Lay</td> <td>11/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Decheng Wu	11/05/2012	Ye Liu	11/19/2012	Chee Leng Lay	11/19/2012				
Name	Execution Date												
Decheng Wu	11/05/2012												
Ye Liu	11/19/2012												
Chee Leng Lay	11/19/2012												
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>13509978</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13509978								
Property Type	Number												
Application Number:	13509978												
CORRESPONDENCE DATA													
<p>Fax Number: 6176468646  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 617-646-8000    Email: patents_timo@wolfgreenfield.com    Correspondent Name: Wolf, Greenfield &amp; Sacks, P.C.    Address Line 1: 600 Atlantic Avenue    Address Line 4: Boston, MASSACHUSETTS 02210</p>													
ATTORNEY DOCKET NUMBER:	S1507.70065US00												
NAME OF SUBMITTER:	Eileen M. MacKenzie												
<p>Total Attachments: 4    source=S150770065US00-ASI-TJO#page1.tif    source=S150770065US00-ASI-TJO#page2.tif    source=S150770065US00-ASI-TJO#page3.tif    source=S150770065US00-ASI-TJO#page4.tif</p>													

OP \$40.00 13509978

ASSIGNMENT


WHEREAS, WE, WU, Decheng; LIU, Ye; and LAY, Chee Leng, whose full post office addresses are c/o Institute of Materials Research and Engineering, 3 Research Link, Singapore 117602, respectively, have invented **CROSSLINKING BRANCHED MOLECULE THROUGH THIOL-DISULFIDE EXCHANGE TO FORM HYDROGEL** which application for a patent was filed in the United States on May 15, 2012 under Serial No. 13/509,978;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, WU, Decheng; LIU, Ye; and LAY, Chee Leng, by these presents do sell, assign and transfer, and do hereby confirm the sale, assignment and transfer, unto Institute of Materials Research and Engineering, whose full post office address is 3 Research Link, Singapore 117602, the full and exclusive right for the United States of America and all other countries foreign thereto, in and to said invention, said application, any other applications for Letters Patent for said invention, and all Letters Patent issuing from such applications, to be held and enjoyed by said Institute of Materials Research and Engineering, for its own use and behoof, and for its 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.

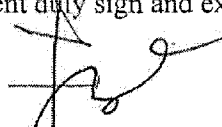
AND, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Institute of Materials Research and Engineering, by these presents do sell, assign and transfer, and do hereby confirm the sale, assignment and transfer, unto Agency for Science, Technology and Research, whose full post office address is 1 Fusionopolis Way, #20-10, Conexis, Singapore 138632, the full and exclusive right for the United States of America and all other countries foreign thereto, in and to said invention, said application, any other applications for Letters Patent for said invention, and all Letters Patent issuing from such applications, to be held and enjoyed by said Agency for Science, Technology and Research, for its own use and behoof, and for its 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, WU, Decheng; LIU, Ye; and LAY, Chee Leng, undertake to sign such further documents to effect the aforesaid sale, transfer and assignment as may be required from time to time, without reimbursement, but at the expense of Agency for Science, Technology and Research.

**EXECUTED** at Institute of Chemistry, Chinese Academy of Sciences, China, 5th of November, 2012

WU, Decheng 

I, YANG, Fei, whose full post office address is Zhongguancun, North First Street 2, 100190, Beijing, China hereby declare that I was personally present and did see WU, Decheng who is personally known to me to be the person named in the above assignment duly sign and execute the same.

  
Signature of Witness

**EXECUTED** at \_\_\_\_\_, Singapore, this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

LIU, Ye

I, \_\_\_\_\_, whose full post office address is

hereby declare that I was personally present and did see LIU, Ye who is personally known to me to be the person named in the above assignment duly sign and execute the same.

\_\_\_\_\_  
Signature of Witness

**EXECUTED** at \_\_\_\_\_, Singapore, this \_\_\_\_\_ day of \_\_\_\_\_, 2012.

LAY, Chee Leng

I, \_\_\_\_\_, whose full post office address is

hereby declare that I was personally present and did see LAY, Chee Leng who is personally known to me to be the person named in the above assignment duly sign and execute the same.

\_\_\_\_\_  
Signature of Witness

**ASSIGNMENT**

WHEREAS, WE, WU, Decheng; LIU, Ye; and LAY, Chee Leng, whose full post office addresses are c/o Institute of Materials Research and Engineering, 3 Research Link, Singapore 117602, respectively, have invented **CROSSLINKING BRANCHED MOLECULE THROUGH THIOL-DISULFIDE EXCHANGE TO FORM HYDROGEL** which application for a patent was filed in the United States on May 15, 2012 under Serial No. 13/509,978;

**NOW THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, WU, Decheng; LIU, Ye; and LAY, Chee Leng, by these presents do sell, assign and transfer, and do hereby confirm the sale, assignment and transfer, unto Institute of Materials Research and Engineering, whose full post office address is 3 Research Link, Singapore 117602, the full and exclusive right for the United States of America and all other countries foreign thereto, in and to said invention, said application, any other applications for Letters Patent for said invention, and all Letters Patent issuing from such applications, to be held and enjoyed by said Institute of Materials Research and Engineering, for its own use and behoof, and for its 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.

**AND**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Institute of Materials Research and Engineering, by these presents do sell, assign and transfer, and do hereby confirm the sale, assignment and transfer, unto Agency for Science, Technology and Research, whose full post office address is 1 Fusionopolis Way, #20-10, Conexis, Singapore 138632, the full and exclusive right for the United States of America and all other countries foreign thereto, in and to said invention, said application, any other applications for Letters Patent for said invention, and all Letters Patent issuing from such applications, to be held and enjoyed by said Agency for Science, Technology and Research, for its own use and behoof, and for its 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, WU, Decheng; LIU, Ye; and LAY, Chee Leng, undertake to sign such further documents to effect the aforesaid sale, transfer and assignment as may be required from time to time, without reimbursement, but at the expense of Agency for Science, Technology and Research.

**EXECUTED** at \_\_\_\_\_, Singapore, this \_\_\_\_\_ day of \_\_\_\_\_, 2012


\_\_\_\_\_  
WU, Decheng

I, \_\_\_\_\_, whose full post office address is

hereby declare that I was personally present and did see WU, Decheng who is personally known to me to be the person named in the above assignment duly sign and execute the same.

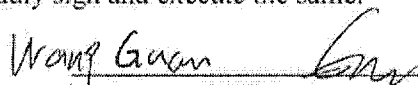
\_\_\_\_\_  
Signature of Witness

EXECUTED at IMRE, Singapore, this 19 day of November, 2012.

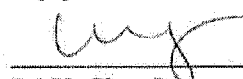
  
\_\_\_\_\_  
LIU, Ye

I, \_\_\_\_\_, whose full post office address is

hereby declare that I was personally present and did see LIU, Ye who is personally known to me to be the person named in the above assignment duly sign and execute the same.

  
\_\_\_\_\_  
Signature of Witness

EXECUTED at IMRE, Singapore, this 19 day of November, 2012.

  
\_\_\_\_\_  
LAY, Chee Leng

I, \_\_\_\_\_, whose full post office address is

hereby declare that I was personally present and did see LAY, Chee Leng who is personally known to me to be the person named in the above assignment duly sign and execute the same.

  
\_\_\_\_\_  
Signature of Witness