

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2986302

|                              |   |
|------------------------------|---|
| <b>SUBMISSION TYPE:</b>      | CORRECTIVE ASSIGNMENT   |
| <b>NATURE OF CONVEYANCE:</b> | Corrective Assignment to correct the INCORRECT SPELLING OF INVENTOR NAME. IT SHOULD BE SAMARENDRA P. SINGH. previously recorded on Reel 031763 Frame 0589. Assignor(s) hereby confirms the ASSIGNMENT OF U.S. PATENT APPLICATION NO. 13/393,223 FILED 02/28/2012 TO AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH.. |

## CONVEYING PARTY DATA

| Name                | Execution Date |
|---------------------|----------------|
| PRASHANT SONAR      | 08/13/2012     |
| SAMARENDRA P. SINGH | 08/23/2012     |
| MUI SIANG SOH       | 08/15/2012     |
| YUNING LI           | 05/08/2012     |

## RECEIVING PARTY DATA

|                        |   |
|------------------------|---|
| <b>Name:</b>           | AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH |
| <b>Street Address:</b> | 1 FUSIONOPOLIS WAY, #20-10 CONNEXIS         |
| <b>City:</b>           | SINGAPORE                                   |
| <b>State/Country:</b>  | SINGAPORE                                   |
| <b>Postal Code:</b>    | 138632                                      |

## PROPERTY NUMBERS Total: 1

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 13393223 |

## CORRESPONDENCE DATA

**Fax Number:** (408)720-8383  
*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Phone:** (408) 720-8300  
**Email:** CHRIS\_MARSHALL@BSTZ.COM  
**Correspondent Name:** BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
**Address Line 1:** 1  
**Address Line 4:** SUNNYVALE, CALIFORNIA 94085

|                                |                     |
|--------------------------------|---------------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | 79881P004           |
| <b>NAME OF SUBMITTER:</b>      | LESTER J. VINCENT   |
| <b>SIGNATURE:</b>              | /LESTER J. VINCENT/ |
| <b>DATE SIGNED:</b>            | 08/18/2014          |

**Total Attachments: 15**

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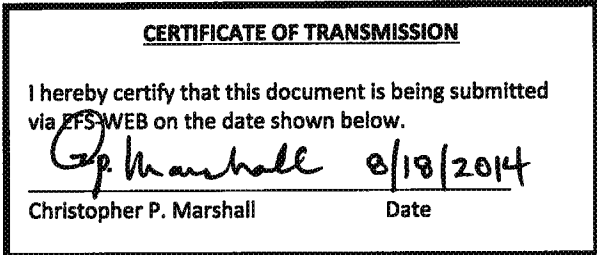
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: )  
 )  
 Prashant SONAR )  
 )  
 Application No.: 13/393,223 )  
 )  
 Filing Date: February 28, 2012 )  
 )  
 For: AMBIPOLAR POLYMERIC SEMICONDUCTOR )  
 MATERIALS AND ORGANIC ELECTRONIC )  
 DEVICES )  
 )  
 Date of Allowance: August 27, 2013 )  
 \_\_\_\_\_ )

Examiner: Fang, Shane  
 Art Unit: 1766  
 Confirmation No.: 1750



U.S. Patent and Trademark Office  
 MAIL STOP Assignment Services Branch  
 P.O. Box 1450  
 Alexandria, VA 22313

REQUEST TO CORRECT NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

Sir:

The United States Patent and Trademark Office Notice of Recordation of Assignment Document dated December 12, 2013, contains an error. An assignor's name has been incorrectly spelled.

The Notice of Recordation of Assignment Document currently reads in part as follows:

- "Assignor:  
Sonar, Prashant
- Assignor:  
Singh, Samrendra P.
- Assignor:  
Soh, Mui Siang
- Assignor:  
Li, Yuning"

Please correct the Notice of Recordation of Assignment Document so that it

reads in part as follows:

"Assignor:

Sonar, Prashant

Assignor:

Singh, Samarendra P.

Assignor:

Soh, Mui Siang

Assignor:

Li, Yuning"

Enclosed please find the following:

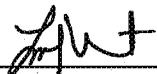
- (1) Copy of the Notice of Recordation of Assignment Document dated December 12, 2013;
- (2) Copy of the originally submitted Recordation Form Cover Sheet; and
- (3) Copy of the executed Assignment;

Please charge any additional fees that are due to our Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN, LLP

Date: August 18, 2014

  
\_\_\_\_\_  
Lester J. Vincent  
Reg. No.: 31,460

1279 Oakmead Parkway  
Sunnyvale, CA 94085-4040  
(408) 720-8300  
Customer No. 08791

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT2645474

| 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>PRASHANT SONAR</td> <td>08/13/2012</td> </tr> <tr> <td>SAMRENDRA P SINGH</td> <td>08/23/2012</td> </tr> <tr> <td>MUI SIANG SOH</td> <td>08/15/2012</td> </tr> <tr> <td>YUNING LI</td> <td>05/08/2012</td> </tr> </tbody> </table>         |   | Name          | Execution Date                              | PRASHANT SONAR      | 08/13/2012                          | SAMRENDRA P SINGH | 08/23/2012 | MUI SIANG SOH  | 08/15/2012 | YUNING LI    | 05/08/2012 |
| Name  | Execution Date                              |               |   |                     |                                     |                   |            |                |            |              |            |
| PRASHANT SONAR  | 08/13/2012                                  |               |   |                     |                                     |                   |            |                |            |              |            |
| SAMRENDRA P SINGH   | 08/23/2012                                  |               |   |                     |                                     |                   |            |                |            |              |            |
| MUI SIANG SOH   | 08/15/2012                                  |               |   |                     |                                     |                   |            |                |            |              |            |
| YUNING LI   | 05/08/2012                                  |               |   |                     |                                     |                   |            |                |            |              |            |
| 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, #20-10 CONNEXIS</td> </tr> <tr> <td>City:</td> <td>SINGAPORE</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, #20-10 CONNEXIS | City:             | SINGAPORE  | State/Country: | SINGAPORE  | Postal Code: | 138632     |
| Name:   | AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH |               |   |                     |                                     |                   |            |                |            |              |            |
| Street Address:   | 1 FUSIONOPOLIS WAY, #20-10 CONNEXIS         |               |   |                     |                                     |                   |            |                |            |              |            |
| City:   | SINGAPORE                                   |               |   |                     |                                     |                   |            |                |            |              |            |
| 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>13393223</td> </tr> </tbody> </table>   |   | Property Type | Number                                      | Application Number: | 13393223                            |                   |            |                |            |              |            |
| Property Type   | Number                                      |               |   |                     |                                     |                   |            |                |            |              |            |
| Application Number:   | 13393223                                    |               |   |                     |                                     |                   |            |                |            |              |            |
| CORRESPONDENCE DATA   |   |               |   |                     |                                     |                   |            |                |            |              |            |
| Fax Number:   | (408)720-8383                               |               |   |                     |                                     |                   |            |                |            |              |            |
| Phone:  | (408) 720-8300                              |               |   |                     |                                     |                   |            |                |            |              |            |
| Email:  | CHRIS_MARSHALL@BSTZ.COM                     |               |   |                     |                                     |                   |            |                |            |              |            |
| <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>  |   |               |   |                     |                                     |                   |            |                |            |              |            |
| Correspondent Name:   | BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP      |               |   |                     |                                     |                   |            |                |            |              |            |
| Address Line 1:   | 1279 OAKMEAD PARKWAY                        |               |   |                     |                                     |                   |            |                |            |              |            |
| Address Line 4:   | SUNNYVALE, CALIFORNIA 94085                 |               |   |                     |                                     |                   |            |                |            |              |            |
| ATTORNEY DOCKET NUMBER:   | 79881P004                                   |               |   |                     |                                     |                   |            |                |            |              |            |
| NAME OF SUBMITTER:  | LESTER J VINCENT                            |               |   |                     |                                     |                   |            |                |            |              |            |
| Signature:  | /Lester J. Vincent/                         |               |   |                     |                                     |                   |            |                |            |              |            |

CH \$40.00 13393223

**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1  
 Stylesheet Version v1.2

|                              |                |
|------------------------------|----------------|
| <b>SUBMISSION TYPE:</b>      | NEW ASSIGNMENT |
| <b>NATURE OF CONVEYANCE:</b> | ASSIGNMENT     |

**CONVEYING PARTY DATA**

| Name              | Execution Date |
|-------------------|----------------|
| PRASHANT SONAR    | 08/13/2012     |
| SAMRENDRA P SINGH | 08/23/2012     |
| MUI SIANG SOH     | 08/15/2012     |
| YUNING LI         | 05/08/2012     |

**RECEIVING PARTY DATA**

|                        |   |
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| <b>Name:</b>           | AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH |
| <b>Street Address:</b> | 1 FUSIONOPOLIS WAY, #20-10 CONNEXIS         |
| <b>City:</b>           | SINGAPORE                                   |
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| <b>Postal Code:</b>    | 138632                                      |

**PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 13393223 |

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**Phone:** (408) 720-8300  
**Email:** CHRIS\_MARSHALL@BSTZ.COM  
*Correspondence will be sent via US Mail when the email attempt is unsuccessful.*  
**Correspondent Name:** BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
**Address Line 1:** 1279 OAKMEAD PARKWAY  
**Address Line 4:** SUNNYVALE, CALIFORNIA 94085

|                                |                     |
|--------------------------------|---------------------|
| <b>ATTORNEY DOCKET NUMBER:</b> | 79881P004           |
| <b>NAME OF SUBMITTER:</b>      | LESTER J VINCENT    |
| <b>Signature:</b>              | /Lester J. Vincent/ |

**PATENT**

**REEL: 033558 FRAME: 0463**

**Date:** 12/11/2013

**Total Attachments: 8**

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**RECEIPT INFORMATION**

**EPAS ID:** PAT2645474  
**Receipt Date:** 12/11/2013  
**Fee Amount:** \$40

**ASSIGNMENT**

WHEREAS, WE, Prashant SONAR, Samarendra P. SINGH, SOH Mui Siang and LI Yuning, whose full post office addresses are c/o Institute of Materials Research and Engineering, 3 Research Link, Singapore 117602, respectively, have invented AMBIPOLAR POLYMERIC SEMICONDUCTOR MATERIALS AND ORGANIC ELECTRONIC DEVICES which application for a patent was filed under PCT/SG2010/000174 on April 20, 2012 and in the United States under serial no. 13/393,223 filed February 28, 2012, claiming priority from U.S. application serial no. 61/272,182 filed on August 28, 2009;

AND WHEREAS, Agency for Science, Technology and Research, whose full post office address is 1 Fusionopolis Way, #20-10 Connexis, Singapore 138632, is desirous of acquiring an interest therein;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, Prashant SONAR, Samarendra P. SINGH, SOH Mui Siang and LI Yuning, by these presents do sell, assign and transfer, and do hereby confirm the sale, assignment and transfer, unto Agency for Science, Technology and Research the full and exclusive right for the United States of America and all other countries foreign thereto, in and to said invention as described in said applications, said invention, said applications, 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, Prashant SONAR, Samarendra P. SINGH, SOH Mui Siang and LI Yuning, 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 13<sup>th</sup> Aug., 2012.

  
Prashant SONAR

I, ENG KOK HAW, whose full post office address is  
BLK 392 BUKIT BATOK WEST AVE 5, #11-412, SINGAPORE 650392  
hereby declare that I was personally present and did see Prashant SONAR 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.

\_\_\_\_\_  
Samarendra P. SINGH

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

hereby declare that I was personally present and did see Samarendra P. SINGH 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.

\_\_\_\_\_  
SOH, Mui Siang

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

hereby declare that I was personally present and did see SOH, Mui Siang 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.

\_\_\_\_\_  
LI Yuning

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

hereby declare that I was personally present and did see LI Yuning 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, Prashant SONAR, Samarendra P. SINGH, SOH Mui Siang and LI Yuning, whose full post office addresses are c/o Institute of Materials Research and Engineering, 3 Research Link, Singapore 117602, respectively, have invented AMBIPOLAR POLYMERIC SEMICONDUCTOR MATERIALS AND ORGANIC ELECTRONIC DEVICES which application for a patent was filed under PCT/SG2010/000174 on April 20, 2012 and in the United States under serial no. 13/393,223 filed February 28, 2012, claiming priority from U.S. application serial no. 61/272,182 filed on August 28, 2009;**

**AND WHEREAS, Agency for Science, Technology and Research, whose full post office address is 1 Fusionopolis Way, #20-10 Connexis, Singapore 138632, is desirous of acquiring an interest therein;**

**NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, WE, Prashant SONAR, Samarendra P. SINGH, SOH Mui Siang and LI Yuning, by these presents do sell, assign and transfer, and do hereby confirm the sale, assignment and transfer, unto Agency for Science, Technology and Research the full and exclusive right for the United States of America and all other countries foreign thereto, in and to said invention as described in said applications, said invention, said applications, 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, Prashant SONAR, Samarendra P. SINGH, SOH Mui Siang and LI Yuning, 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.

\_\_\_\_\_  
Prashant SONAR

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

heroby declare that I was personally present and did see Prashant SONAR 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 23 day of Aug, 2012.

*[Handwritten signature]*

Samarendra P. SINGH  
(at Greater Noida, India).

I,

, whose full post office address is

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

*[Handwritten signature: Sandeep Joshi]*  
21/5/2012

Signature of Witness  
(SANDEEP JOSHI)  
Greater Noida, UP, India.

EXECUTED at

, Singapore, this day of , 2012.

SOH, Mui Siang

I,

, whose full post office address is

hereby declare that I was personally present and did see SOH, Mui Siang 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.

LI Yuning

I,

, whose full post office address is

hereby declare that I was personally present and did see LI Yuning 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, Prashant SONAR, Samarendra P. SINGH, SOH Mui Siang and LI Yuning, whose full post office addresses are c/o Institute of Materials Research and Engineering, 3 Research Link, Singapore 117602, respectively, have invented AMBIPOLAR POLYMERIC SEMICONDUCTOR MATERIALS AND ORGANIC ELECTRONIC DEVICES which application for a patent was filed under PCT/SG2010/000174 on April 20, 2012 and in the United States under serial no. 13/393,223 filed February 28, 2012, claiming priority from U.S. application serial no. 61/272,182 filed on August 28, 2009;**

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

\_\_\_\_\_  
Prashant SONAR

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

hereby declare that I was personally present and did see Prashant SONAR 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.

\_\_\_\_\_  
Samarendra P. SINGH

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

hereby declare that I was personally present and did see Samarendra P. SINGH 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 15 day of August, 2012.

*[Signature]*  
\_\_\_\_\_  
SOH, Mui Siang

I, Tan Guayue, whose full post office address is

30 Bropda Street, #09-02 Matrix

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

*[Signature]*  
\_\_\_\_\_  
Signature of Witness

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

\_\_\_\_\_  
LI Yuning

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

hereby declare that I was personally present and did see LI Yuning 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, Prashant SONAR, Samarendra P. SINGH, SOH Mui Siang and LI Yuning, whose full post office addresses are c/o Institute of Materials Research and Engineering, 3 Research Link, Singapore 117602, respectively, have invented AMBIPOLAR POLYMERIC SEMICONDUCTOR MATERIALS AND ORGANIC ELECTRONIC DEVICES which application for a patent was filed under PCT/SG2010/000174 on April 20, 2012 and in the United States under serial no. 13/393,223 filed February 28, 2012, claiming priority from U.S. application serial no. 61/272,182 filed on August 28, 2009;**

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

\_\_\_\_\_  
Prashant SONAR

I,

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

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

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

**PATENT**

**REEL: 033558 FRAME: 0471**

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

\_\_\_\_\_  
Samarendra P. SINGH

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

I,  
hereby declare that I was personally present and did see Samarendra P. SINGH 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.

\_\_\_\_\_  
SOH, Mui Siang

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

I,  
hereby declare that I was personally present and did see SOH, Mui Siang 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 Waterloo, Canada, this 8th day of May, 2012.

\_\_\_\_\_  
LI Yuning

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

I, ZHONGWEI CHEN  
E6-2006, 200 University Avenue West, Waterloo, ON, N2L3G1, Canada.  
hereby declare that I was personally present and did see LI Yuning who is personally known to me to be the person named in the above assignment duly sign and execute the same.

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