

## PATENT ASSIGNMENT

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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>Nae Eung LEE</td> <td>02/17/2012</td> </tr> <tr> <td>Ok Ja YOON</td> <td>02/17/2012</td> </tr> <tr> <td>Duck Jin KIM</td> <td>02/17/2012</td> </tr> <tr> <td>Thuy Ngoc Thuy NGUYEN</td> <td>02/17/2012</td> </tr> <tr> <td>Il Yung SOHN</td> <td>02/17/2012</td> </tr> </tbody> </table> |   | Name          | Execution Date | Nae Eung LEE        | 02/17/2012 | Ok Ja YOON | 02/17/2012 | Duck Jin KIM | 02/17/2012 | Thuy Ngoc Thuy NGUYEN | 02/17/2012 | Il Yung SOHN | 02/17/2012 |
| Name   | Execution Date  |               |                |                     |            |            |            |              |            |                       |            |              |            |
| Nae Eung LEE   | 02/17/2012  |               |                |                     |            |            |            |              |            |                       |            |              |            |
| Ok Ja YOON   | 02/17/2012  |               |                |                     |            |            |            |              |            |                       |            |              |            |
| Duck Jin KIM   | 02/17/2012  |               |                |                     |            |            |            |              |            |                       |            |              |            |
| Thuy Ngoc Thuy NGUYEN  | 02/17/2012  |               |                |                     |            |            |            |              |            |                       |            |              |            |
| Il Yung SOHN   | 02/17/2012  |               |                |                     |            |            |            |              |            |                       |            |              |            |
| RECEIVING PARTY DATA   |   |               |                |                     |            |            |            |              |            |                       |            |              |            |
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| 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>13354490</td> </tr> </tbody> </table>  |   | Property Type | Number         | Application Number: | 13354490   |            |            |              |            |                       |            |              |            |
| Property Type  | Number  |               |                |                     |            |            |            |              |            |                       |            |              |            |
| Application Number:  | 13354490  |               |                |                     |            |            |            |              |            |                       |            |              |            |
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| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>  |   |               |                |                     |            |            |            |              |            |                       |            |              |            |
| Correspondent Name:  | NSIP LAW  |               |                |                     |            |            |            |              |            |                       |            |              |            |
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| ATTORNEY DOCKET NUMBER:  | 4289.0001   |               |                |                     |            |            |            |              |            |                       |            |              |            |
| NAME OF SUBMITTER:   | Chisty Hussain  |               |                |                     |            |            |            |              |            |                       |            |              |            |
| Total Attachments: 2<br>source=NTFMP20120202_42890001_Assignment_executed#page1.tif<br>source=NTFMP20120202_42890001_Assignment_executed#page2.tif   |   |               |                |                     |            |            |            |              |            |                       |            |              |            |

OP \$40.00 13354490

**ASSIGNMENT**

For valuable consideration, we,

|                              |   |
|------------------------------|---|
| <b>Nae Eung LEE</b>          | 504-103, Jugong Apt., 6 Byeoryang-dong, Gwacheon-si, Gyeonggi-do 427-800, Republic of Korea                   |
| <b>Ok Ja YOON</b>            | 153-5 Nokbeon-dong, Eunpyeong-gu, Seoul 122-834, Republic of Korea  |
| <b>Duck Jin KIM</b>          | #402, Pyeonghwa villa II, 325-37 Cheoncheon-dong, Jangan-gu, Suwon-si, Gyeonggi-do 440-330, Republic of Korea |
| <b>Thuy Ngoc Thuy NGUYEN</b> | 300 Cheoncheon-dong, Jangan-gu, Suwon-si, Gyeonggi-do 440-746, Republic of Korea                              |
| <b>Il Yung SOHN</b>          | #302 Seongwon House, 325-33 Cheoncheon-dong, Jangan-gu, Suwon-si, Gyeonggi-do 440-330, Republic of Korea      |

hereby assign to:

**RESEARCH & BUSINESS FOUNDATION SUNGKYUNKWAN**

**UNIVERSITY**, a Republic of Korea corporation/institution/foundation/institute having principal executive office(s) or place of business at: c/o Sungkyunkwan Univ., 300

Cheoncheon-dong, Jangan-gu, Suwon-si, Gyeonggi-do 440-746, Republic of Korea; and

its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of U.S.

Patent Application Number 13/354,490 filed January 20, 2012 at the U.S. Patent &

Trademark Office signed by us, with title **CELL-BASED TRANSPARENT SENSOR**

**CAPABLE OF REAL-TIME OPTICAL OBSERVATION OF CELL BEHAVIOR,**

**METHOD FOR MANUFACTURING THE SAME AND MULTI-DETECTION SENSOR**

**CHIP USING THE SAME**, and we authorize and request the attorneys appointed in said

application to hereafter complete this assignment by inserting above the filing date and

application serial number of said application when known; this Assignment including said

application, any and all United States and foreign patents, utility models, and design registrations

granted for any of said inventions or improvements, and the right to claim priority based on the

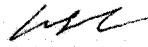
filing date of said application under the International Convention for the Protection of Industrial

Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties


of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, preliminary statements and other lawful documents as the Assignee may reasonably request to effectuate fully this Assignment.

IN TESTIMONY/WITNESS WHEREOF, we, undersigned inventors (Assignors) intending to be legally bound, have hereto affixed our signatures.

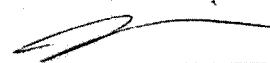
This 17 day of February, 2012

  
Signature: **Nae Eung LEE**


This 17 day of February, 2012

  
Signature: **Ok Ja YOON**


This 17 day of February, 2012

  
Signature: **Duck Jin KIM**

This 17 day of February, 2012

  
Signature: **Thuy Ngoc Thuy NGUYEN**

This 17 day of February, 2012

  
Signature: **Il Yung SOHN**