

## PATENT ASSIGNMENT

Electronic Version v1.1  
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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>FRANKY SO</td> <td>06/20/2012</td> </tr> <tr> <td>DO YOUNG KIM</td> <td>07/19/2012</td> </tr> </tbody> </table> |   | Name          | Execution Date | FRANKY SO   | 06/20/2012   | DO YOUNG KIM | 07/19/2012 |
| Name  | Execution Date                                  |               |                |             |              |              |            |
| FRANKY SO   | 06/20/2012                                      |               |                |             |              |              |            |
| DO YOUNG KIM  | 07/19/2012                                      |               |                |             |              |              |            |
| RECEIVING PARTY DATA  |   |               |                |             |              |              |            |
| Name:   | UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC. |               |                |             |              |              |            |
| Street Address:   | 223 GRINTER HALL                                |               |                |             |              |              |            |
| City:   | GAINESVILLE                                     |               |                |             |              |              |            |
| State/Country:  | FLORIDA   |               |                |             |              |              |            |
| Postal Code:  | 32611   |               |                |             |              |              |            |
| PROPERTY NUMBERS Total: 1   |   |               |                |             |              |              |            |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US2012040981</td> </tr> </tbody> </table>   |   | Property Type | Number         | PCT Number: | US2012040981 |              |            |
| Property Type   | Number  |               |                |             |              |              |            |
| PCT Number:   | US2012040981                                    |               |                |             |              |              |            |
| CORRESPONDENCE DATA   |   |               |                |             |              |              |            |
| Fax Number:   | (352)372-5800                                   |               |                |             |              |              |            |
| Phone:  | 352-375-8100                                    |               |                |             |              |              |            |
| Email:  | MAB@SLEPATENTS.COM                              |               |                |             |              |              |            |
| <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:   | MARK A. BUESE                                   |               |                |             |              |              |            |
| Address Line 1:   | PO BOX 142950                                   |               |                |             |              |              |            |
| Address Line 4:   | GAINESVILLE, FLORIDA 32614-2950                 |               |                |             |              |              |            |
| ATTORNEY DOCKET NUMBER:   | UF.979XPCT                                      |               |                |             |              |              |            |
| NAME OF SUBMITTER:  | MARK A. BUESE                                   |               |                |             |              |              |            |
| <p>Total Attachments: 3<br/>         source=Exec-Assign-UF#page1.tif<br/>         source=Exec-Assign-UF#page2.tif<br/>         source=Exec-Assign-UF#page3.tif</p>  |   |               |                |             |              |              |            |

OP \$40.00 US2012040981

PATENT

## ASSIGNMENT

WHEREAS, Franky So, residing at 5014 N.W. 60<sup>th</sup> Terrace, Gainesville, Florida 32653, and Do Young Kim, residing at 5007 N.W. 69<sup>th</sup> Place, Gainesville, Florida 32653, have invented certain new and useful subject matter for which an application for United States letters patent was

signed by me/us on \_\_\_\_\_ and/or  
 filed on June 6, 2012, Serial No. PCT/US2012/040981,

entitled, Transparent Infrared-to-Visible Up-Conversion Device (the "Invention").

WHEREAS, by virtue of my/our employment, appointment, or affiliation with the University of Florida (the "University") and pursuant to the Intellectual Property Policy of and my Intellectual Property Agreement with the University, I/we have assigned all my/our rights in the Invention to the University or its assignee or designee;

WHEREAS, the University has designated the University of Florida Research Foundation, Incorporated (the "Foundation"), existing by virtue of the laws of the State of Florida and having an office at 223 Grinter Hall, Gainesville, Florida 32611, to be the assignee of its entire right, title and interest in the Invention;

THEREFORE, for valuable consideration, the sufficiency and receipt of which I/we hereby acknowledge, I/we confirm and ratify the sale, assignment, and transfer to the Foundation, its successors and assigns, all my rights in the Invention and in all divisional, continuing, substitute, renewal, reissue, and all other applications for letters patent which are or have been filed for the Invention in the United States, its territorial possessions, and all foreign countries and in all patents and extensions which may be granted for the Invention.

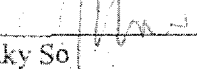
I/we hereby authorize and request patent office officials in the United States and in all foreign countries to issue any patents in the Invention when granted to the Foundation as the assignee of my entire right, title, and interest in the patents.

I/we hereby assign to the Foundation, its successors and assigns, all of my/our rights to sue for and recover damages and profits arising from past infringements or unauthorized use of any patent that issues on the Invention or unpaid royalties with respect to use of any rights in the Invention occurring before the execution date of this Assignment.

I/we also agree that, in regard to the Invention, I/we will communicate to the Foundation or its representatives any facts known to me/us; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuing, substitute, renewal, reissue, and other applications for letters patent; execute all necessary papers; make all rightful oaths; and generally do everything possible to aid the Foundation, its successors and assigns, to obtain and enforce proper protection for the Invention in the United States, its territorial possessions, and all foreign countries.

Assignment to UFRF  
Updated June 9, 2011


Exhibit E 03  
UF 979N PCT

Signed:   
Franky So

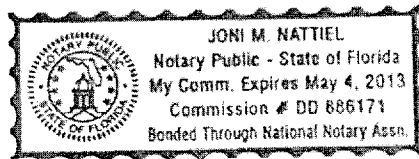
Date: 6/20/12

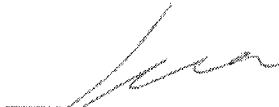
STATE OF FLORIDA  
COUNTY OF ALACHUA

On this 20th day of June, 2012, Franky So personally  
appeared before me, known by me to be the person described in the foregoing Assignment, who  
executed the foregoing Assignment, and who acknowledged the same to be his/her free act for  
the purposes set forth in the foregoing Assignment.

  
Notary Public

My Commission Expires:  
SEAL

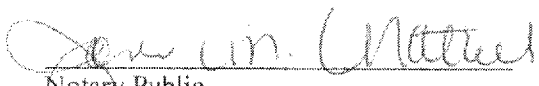


Signed:   
Do-Young Kim

Date: 7/19/2012

STATE OF FLORIDA  
COUNTY OF ALACHUA

On this 19<sup>th</sup> day of July, 2012, Do Young Kim personally appeared before me, known by me to be the person described in the foregoing Assignment, who executed the foregoing Assignment, and who acknowledged the same to be his/her free act for the purposes set forth in the foregoing Assignment.

  
Notary Public

My Commission Expires:  
SEAL

