

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>Kyoung Joong Kim</td> <td>09/06/2013</td> </tr> <tr> <td>Seung Hui Hong</td> <td>09/06/2013</td> </tr> <tr> <td>Jae Hee Park</td> <td>09/06/2013</td> </tr> <tr> <td>Jong Shik Jang</td> <td>09/06/2013</td> </tr> </tbody> </table>		Name	Execution Date	Kyoung Joong Kim	09/06/2013	Seung Hui Hong	09/06/2013	Jae Hee Park	09/06/2013	Jong Shik Jang	09/06/2013
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Korea Research Institute of Standards and Science</td> </tr> <tr> <td>Street Address:</td> <td>1 Doryong-dong, Yuseong-gu</td> </tr> <tr> <td>City:</td> <td>Daejeon</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>305-340</td> </tr> </table>		Name:	Korea Research Institute of Standards and Science	Street Address:	1 Doryong-dong, Yuseong-gu	City:	Daejeon	State/Country:	KOREA, REPUBLIC OF	Postal Code:	305-340
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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>14005656</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14005656						
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Application Number:	14005656										
CORRESPONDENCE DATA											
Fax Number: 4129455933 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 412-471-8815 Email: assignments@webblaw.com Correspondent Name: THE WEBB LAW FIRM, P.C. Address Line 1: ONE GATEWAY CENTER Address Line 2: 420 FT. DUQUESNE BLVD, SUITE 1200 Address Line 4: PITTSBURGH, PENNSYLVANIA 15222											
ATTORNEY DOCKET NUMBER:	5038-133536										
NAME OF SUBMITTER:	Richard L. Byrne										
Signature:	/richard l byrne/										

PATENT

Date:

09/17/2013

Total Attachments: 4

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**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Kyoung Joong KIM
Seung Hui HONG
Jae Hee PARK
Jong Shik JANG

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Korea Research Institute of Standards and Science

Internal Address: _____

Street Address: 1 Doryong-dong, Yuseong-gu, Daejeon

City: _____

State: _____

Country: REPUBLIC OF KOREA Zip: 305-340

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) September 6, 2013

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

14/005,656

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Richard L. Byrne

Internal Address: The Webb Law Firm

Street Address: One Gateway Center
420 Ft. Duquesne Blvd., Ste 1200

City: Pittsburgh

State: PA Zip: 15222

Phone Number: 412-471-8815

Fax Number: 412-945-5933

Email Address: assignments@webblaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☒ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

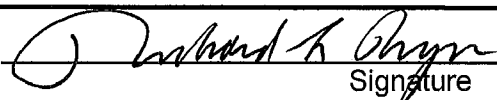
8. Payment Information

a. Credit Card Last 4 Numbers 1916
Expiration Date 05/2015

b. Deposit Account Number 23-0650

Authorized User Name _____

9. Signature:


Signature

Richard L. Byrne

Name of Person Signing

September 17, 2013

Date

Total number of pages including cover sheet, attachments, and documents:

4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

INTERNATIONAL
Application No. _____
Attorney Docket No. _____

ASSIGNMENT

WHEREAS, as a below named inventor, I have invented certain new and useful improvements in

**PHOTO ACTIVE LAYER BY SILICON QUANTUM DOT AND THE FABRICATION
METHOD THEREOF**

(Invention Title)

☐ for which I have this day executed an application for a United States Patent (hereinafter "said application").

AND/OR

☐ for which an application for a United States Patent was filed on _____ (mm/dd/yyyy) and bears Application Number _____ (hereinafter "said application").

AND/OR

☒ for which an international patent application was filed under the Patent Cooperation Treaty on 03/22/2012 (mm/dd/yyyy), bearing Application No. PCT/KR2012/002060 (hereinafter "said application").

AND, WHEREAS, **KOREA RESEARCH INSTITUTE OF STANDARDS AND SCIENCE**, a corporation of the **Republic of Korea**, having a place of business at **1, Doryong-dong, Yuseong-gu, Daejeon 305-340 Republic of Korea**, hereinafter called the "assignee", is desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to me by said assignee, the receipt of which is hereby acknowledged, I as the inventor or as one of the inventors, hereinafter the assignor(s), do hereby assign, sell and transfer unto said assignee the full and exclusive right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals and/or extensions thereof. Such assignment extends to the full ends of the terms of these applications and patents as fully and entirely as the same would have been held and enjoyed by me had this Assignment not been made.

I hereby authorize and request any attorney associated with The Webb Law Firm, Customer No. 28289, to insert here in parentheses (Application No. 14/005,656 filed 03/22/2012) the filing date and application number of said application when known.

I covenant that I am the lawful owner(s) of said application, inventions and improvements, that the same are unencumbered, that no license has been granted to make, use or vend the said inventions or improvements or any of them, and that I have the full right to make this Assignment.

And for the consideration aforesaid, I agree individually and, if applicable, jointly that I will communicate to said assignee or the representatives thereof any facts known to me

INTERNATIONAL
Application No. _____
Attorney Docket No. _____

respecting said inventions and improvements, and will, upon request but without expense to me, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts deemed necessary or expedient by said assignee or by counsel for said assignee to assist or enable said assignee to obtain and enforce full benefits from the rights and interests herein assigned. This Assignment shall be binding upon my heirs, executors, administrators and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors and/or assigns, as the case may be, of said assignee.

1. FULL NAME OF ASSIGNOR:
Kyoung Joong KIM

RESIDENCE:
Daejeon, Republic of Korea

EXECUTED this 06 day of 09, 2013



SIGNATURE

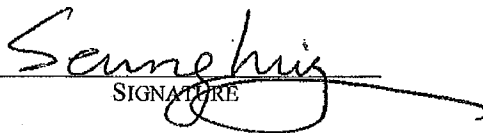
WITNESS:

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2. FULL NAME OF ASSIGNOR:  
Seung Hui HONG

RESIDENCE:  
Seoul, Republic of Korea

EXECUTED this 06 day of 09, 2013



SIGNATURE

WITNESS:

\_\_\_\_\_

INTERNATIONAL  
Application No. \_\_\_\_\_  
Attorney Docket No. \_\_\_\_\_

3. FULL NAME OF ASSIGNOR:  
**Jae Hee PARK**

RESIDENCE:  
**Gyeonggi-do, Republic of Korea**

EXECUTED this 06 day of 09, 2013

  
\_\_\_\_\_  
SIGNATURE

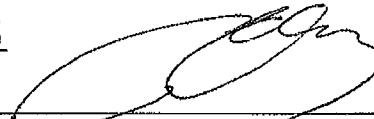
WITNESS:

\_\_\_\_\_

4. FULL NAME OF ASSIGNOR:  
**Jong Shik JANG**

RESIDENCE:  
**Chungbuk, Republic of Korea**

EXECUTED this 06 day of 09, 2013

  
\_\_\_\_\_  
SIGNATURE

WITNESS:

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