

## 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>Young-Jin Kwak</td><td>08/23/2013</td></tr> <tr><td>Dong-Yun Kim</td><td>09/02/2013</td></tr> <tr><td>Woo-Sung Jung</td><td>08/26/2013</td></tr> <tr><td>Kyung-Hoon Nam</td><td>08/26/2013</td></tr> <tr><td>Dong-Yoeul Lee</td><td>08/23/2013</td></tr> <tr><td>Seok-Jun Hong</td><td>08/26/2013</td></tr> <tr><td>Tae-Yeob Kim</td><td>08/23/2013</td></tr> <tr><td>Yong-Hwa Jung</td><td>08/26/2013</td></tr> <tr><td>Mun-Jong Eom</td><td>08/26/2013</td></tr> <tr><td>Myoung-Hee Choi</td><td>09/02/2013</td></tr> <tr><td>Gab-Yong Kim</td><td>09/02/2013</td></tr> <tr><td>Sang-Hoon Park</td><td>08/26/2013</td></tr> <tr><td>Sang-Cheol Lee</td><td>08/26/2013</td></tr> <tr><td>Yang-Woo Nam</td><td>08/26/2013</td></tr> </tbody> </table>		Name	Execution Date	Young-Jin Kwak	08/23/2013	Dong-Yun Kim	09/02/2013	Woo-Sung Jung	08/26/2013	Kyung-Hoon Nam	08/26/2013	Dong-Yoeul Lee	08/23/2013	Seok-Jun Hong	08/26/2013	Tae-Yeob Kim	08/23/2013	Yong-Hwa Jung	08/26/2013	Mun-Jong Eom	08/26/2013	Myoung-Hee Choi	09/02/2013	Gab-Yong Kim	09/02/2013	Sang-Hoon Park	08/26/2013	Sang-Cheol Lee	08/26/2013	Yang-Woo Nam	08/26/2013
Name	Execution Date																														
Young-Jin Kwak	08/23/2013																														
Dong-Yun Kim	09/02/2013																														
Woo-Sung Jung	08/26/2013																														
Kyung-Hoon Nam	08/26/2013																														
Dong-Yoeul Lee	08/23/2013																														
Seok-Jun Hong	08/26/2013																														
Tae-Yeob Kim	08/23/2013																														
Yong-Hwa Jung	08/26/2013																														
Mun-Jong Eom	08/26/2013																														
Myoung-Hee Choi	09/02/2013																														
Gab-Yong Kim	09/02/2013																														
Sang-Hoon Park	08/26/2013																														
Sang-Cheol Lee	08/26/2013																														
Yang-Woo Nam	08/26/2013																														
RECEIVING PARTY DATA																															
<table border="1"> <tr><td>Name:</td><td>POSCO</td></tr> <tr><td>Street Address:</td><td>1 Koedong-dong, Nam-gu</td></tr> <tr><td>City:</td><td>Pohang-si, Kyungsangbook-do</td></tr> <tr><td>State/Country:</td><td>KOREA, REPUBLIC OF</td></tr> <tr><td>Postal Code:</td><td>790-300</td></tr> </table>		Name:	POSCO	Street Address:	1 Koedong-dong, Nam-gu	City:	Pohang-si, Kyungsangbook-do	State/Country:	KOREA, REPUBLIC OF	Postal Code:	790-300																				
Name:	POSCO																														
Street Address:	1 Koedong-dong, Nam-gu																														
City:	Pohang-si, Kyungsangbook-do																														
State/Country:	KOREA, REPUBLIC OF																														
Postal Code:	790-300																														
<table border="1"> <tr><td>Name:</td><td>NOROO COIL COATINGS CO., LTD.</td></tr> <tr><td>Street Address:</td><td>615 Bakdal-dong, Manan-gu</td></tr> <tr><td>City:</td><td>Anyang-si, Gyeonggi-do</td></tr> <tr><td>State/Country:</td><td>KOREA, REPUBLIC OF</td></tr> <tr><td>Postal Code:</td><td>430-030</td></tr> </table>		Name:	NOROO COIL COATINGS CO., LTD.	Street Address:	615 Bakdal-dong, Manan-gu	City:	Anyang-si, Gyeonggi-do	State/Country:	KOREA, REPUBLIC OF	Postal Code:	430-030																				
Name:	NOROO COIL COATINGS CO., LTD.																														
Street Address:	615 Bakdal-dong, Manan-gu																														
City:	Anyang-si, Gyeonggi-do																														
State/Country:	KOREA, REPUBLIC OF																														
Postal Code:	430-030																														
PROPERTY NUMBERS Total: 1																															

OP \$40.00 14005567

Property Type	Number
Application Number:	14005567

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:	Richard L. Byrne, 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:	1455-133500
NAME OF SUBMITTER:	Kent E. Baldauf
Signature:	/kent e baldauf/
Date:	09/17/2013

<b>Total Attachments: 8</b> source=recordingassignment#page1.tif source=recordingassignment#page2.tif source=recordingassignment#page3.tif source=recordingassignment#page4.tif source=recordingassignment#page5.tif source=recordingassignment#page6.tif source=recordingassignment#page7.tif source=recordingassignment#page8.tif
---

**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)**

Young-Jin Kwak  
Dong-Yun Kim  
Woo-Sung Jung  
Kyung-Hoon Nam

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

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

Execution Date(s) 8/23/2013; 9/2/2013; 8/26/2013

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

**2. Name and address of receiving party(ies)**

Name: POSCO

Internal Address: \_\_\_\_\_

Street Address: 1 Koedong-dong, Nam-gu

City: Pohang-si

State: Kyungsangbook-do

Country: KR Zip: 790-300

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

**4. Application or patent number(s):**

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

A. Patent Application No.(s)

B. Patent No.(s)

14/005,567

Additional numbers attached? ☐ Yes ☒ No

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

Name: Kent E. Baldauf

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:**

Kent E. Baldauf  
Signature

September 17, 2013  
Date

Kent E. Baldauf, Reg. No. 25,826

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 8

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

Doc. No.

**PATENT**  
**REEL: 031217 FRAME: 0743**

**RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

Page 2

U.S. Patent Application No. 14/005,567, filed \_\_\_\_\_

U.S. Patent No. \_\_\_\_\_, issued \_\_\_\_\_

**Additional Information (continued from Page 1)**

**Name of conveying party(ies)**

Dong-Yoeul Lee  
Seok-Jun Hong  
Tae-Yeob Kim  
Yong-Hwa Jung  
Mun-Jong Eom  
Myoung-Hee Choi  
Gab-Yong Kim

Execution Date(s): 8/23/2013; 8/26/2013; 9/2/2013  
\_\_\_\_\_

**Name and address of receiving party(ies)**

Name: NOROO COIL COATINGS CO., LTD.

Internal Address: \_\_\_\_\_  
\_\_\_\_\_

Street Address: 615 Bakdal-dong, Manan-gu  
\_\_\_\_\_

City: Anyang-si

State: Gyeonggi-do

Country: KR Zip: 430-030

**Name of conveying party(ies)**

Sang-Hoon Park  
Sang-Cheol Lee  
Yang-Woo Nam

Execution Date(s): 8/26/2013  
\_\_\_\_\_

**Name and address of receiving party(ies)**

Name: \_\_\_\_\_

Internal Address: \_\_\_\_\_  
\_\_\_\_\_

Street Address: \_\_\_\_\_  
\_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_

Country: \_\_\_\_\_ Zip: \_\_\_\_\_

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

**ASSIGNMENT**

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

**FILM FORMATION COMPOSITION FOR PREVENTING BLACKENING OF STEEL SHEET, AND STEEL SHEET HAVING FILM FORMED BY COMPOSITION**

(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 03/28/2012 (mm/dd/yyyy), bearing Application No. PCT/KR2012/002294 (hereinafter "said application").

AND, WHEREAS, POSCO, a corporation of Republic of Korea, having a place of business at 1 Koedong-dong, Nam-gu, Pohang-si, Kyungsangbook-do 790-300, Republic of Korea and, NOROO COIL COATINGS CO., LTD., a corporation of Republic of Korea, having a place of business at 615 Bakdal-dong, Manan-gu, Anyang-si, Gyeonggi-do 430-030, Republic of Korea hereinafter called the "assignees", are 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 assignees, 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 assignees 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 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 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,

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

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 assignees or by counsel for said assignees to assist or enable said assignees 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 assignees.

1. FULL NAME OF ASSIGNOR: Young-Jin KWAK RESIDENCE: Gwangyang-si, Republic of Korea

EXECUTED this 23 day of Aug., 2013

  
SIGNATURE

WITNESS:  
\_\_\_\_\_

2. FULL NAME OF ASSIGNOR: Dong-Yun KIM RESIDENCE: Anyang-si, Republic of Korea

EXECUTED this 2 day of Sept., 2013

  
SIGNATURE

WITNESS:  
\_\_\_\_\_

☒ Checked Box indicates 4 additional page(s) for inventor signatures.

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

3. FULL NAME OF ASSIGNOR:  
Woo-Sung JUNG

RESIDENCE:  
Gwangyang-si, Republic of Korea

EXECUTED this 26 day of Aug., 2013


  
SIGNATURE

WITNESS:  
\_\_\_\_\_

4. FULL NAME OF ASSIGNOR:  
Kyung-Hoon NAM

RESIDENCE:  
Gwangyang-si, Republic of Korea

EXECUTED this 26 day of Aug., 2013

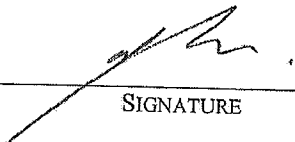
  
SIGNATURE

WITNESS:  
\_\_\_\_\_

5. FULL NAME OF ASSIGNOR:  
Dong-Yeoul LEE

RESIDENCE:  
Gwangyang-si, Republic of Korea

EXECUTED this 23 day of Aug., 2013

  
SIGNATURE

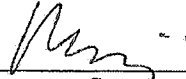
WITNESS:  
\_\_\_\_\_

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

6. FULL NAME OF ASSIGNOR:  
Seok-Jun HONG

RESIDENCE:  
Gwangyang-si, Republic of Korea

EXECUTED this 26 day of Aug, 2013



SIGNATURE

WITNESS:

7. FULL NAME OF ASSIGNOR:  
Tae-Yeob KIM

RESIDENCE:  
Gwangyang-si, Republic of Korea

EXECUTED this 23 day of Aug, 2013



SIGNATURE

WITNESS:

8. FULL NAME OF ASSIGNOR:  
Yong-Hwa JUNG

RESIDENCE:  
Gwangyang-si, Republic of Korea

EXECUTED this 26 day of Aug, 2013



SIGNATURE

WITNESS:



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

9. FULL NAME OF ASSIGNOR:  
Mun-Jong EOM

RESIDENCE:  
Gwangyang-si, Republic of Korea

EXECUTED this 26 day of Aug, 2013


  
SIGNATURE

WITNESS:  
\_\_\_\_\_

10. FULL NAME OF ASSIGNOR:  
Myoung-Hee CHOI

RESIDENCE:  
Anyang-si, Republic of Korea

EXECUTED this 2 day of Sept, 2013


  
SIGNATURE

WITNESS:  
\_\_\_\_\_

11. FULL NAME OF ASSIGNOR:  
Gab-Yong KIM

RESIDENCE:  
Incheon, Republic of Korea

EXECUTED this 2 day of Sept, 2013

  
SIGNATURE

WITNESS:  
\_\_\_\_\_

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

12. FULL NAME OF ASSIGNOR:  
Sang-Hoon PARK

RESIDENCE:  
Gwangyang-si, Republic of Korea

EXECUTED this 26 day of Aug, 2013



SIGNATURE

WITNESS:

13. FULL NAME OF ASSIGNOR:  
Sang-Cheol LEE

RESIDENCE:  
Gwangyang-si, Republic of Korea

EXECUTED this 26 day of Aug, 2013



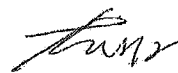
SIGNATURE

WITNESS:

14. FULL NAME OF ASSIGNOR:  
Yang-Woo NAM

RESIDENCE:  
Gwangyang-si, Republic of Korea

EXECUTED this 26 day of Aug, 2013



SIGNATURE

WITNESS: