

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>Hong-Woo Lee</td> <td>03/11/2013</td> </tr> <tr> <td>Jae-Hyun Kim</td> <td>03/11/2013</td> </tr> <tr> <td>Hyoun-Young Lee</td> <td>03/11/2013</td> </tr> <tr> <td>Yeon-Sik Kang</td> <td>03/11/2013</td> </tr> </tbody> </table> | | Name | Execution Date | Hong-Woo Lee | 03/11/2013 | Jae-Hyun Kim | 03/11/2013 | Hyoun-Young Lee | 03/11/2013 | Yeon-Sik Kang | 03/11/2013 |
| Name | Execution Date | | | | | | | | | | |
| Hong-Woo Lee | 03/11/2013 | | | | | | | | | | |
| Jae-Hyun Kim | 03/11/2013 | | | | | | | | | | |
| Hyoun-Young Lee | 03/11/2013 | | | | | | | | | | |
| Yeon-Sik Kang | 03/11/2013 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
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| Street Address: | 1 Koedong-dong, Nam-gu, Kyungsangbook-do | | | | | | | | | | |
| City: | Pohang-si | | | | | | | | | | |
| State/Country: | KOREA, REPUBLIC OF | | | | | | | | | | |
| Postal Code: | 790-300 | | | | | | | | | | |
| 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>13824504</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13824504 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13824504 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 1455-130797 | | | | | | | | | | |
| NAME OF SUBMITTER: | Kent E. Baldauf | | | | | | | | | | |
| Total Attachments: 4 source=797RECCOVER#page1.tif source=797ASSIGN#page1.tif source=797ASSIGN#page2.tif source=797ASSIGN#page3.tif | | | | | | | | | | | |

OP \$40.00 13824504

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)
 Hong-Woo LEE
 Jae-Hyun KIM
 Hyoun-Young LEE
 Yeon-Sik KANG

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

2. Name and address of receiving party(ies)
 Name: POSCO
 Internal Address: _____

 Street Address: 1 Koedong-dong, Nam-gu
Pohang-si, Kyungsangbook-do
 City: _____
 State: _____
 Country: REPUBLIC OF KOREA Zip: 790-300

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

3. Nature of conveyance/Execution Date(s):
 Execution Date(s) March 11, 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)
13/824,504

B. Patent No.(s)

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

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 4775
 Expiration Date 05/2015

b. Deposit Account Number 23-0650
 Authorized User Name _____

9. Signature: Kent E. Baldauf March 18, 2013
 Signature Date

Kent E. Baldauf, Reg. No. 25,826
 Name of Person Signing

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

METHOD OF MANUFACTURING MULTI PHYSICAL PROPERTIES PART

(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 12/20/2011 (mm/dd/yyyy), bearing Application No. PCT/KR2011/009855 (hereinafter "said application").

AND, WHEREAS, POSCO, a corporation of Republic of Korea, having a place of business at 1 Koedong-dong, Nam-gu, Pohang, Kyungsangbook-do 790-300, 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 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, 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

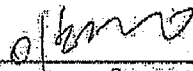
INTERNATIONAL

Application No. _____
Attorney Docket No. _____

3. FULL NAME OF ASSIGNOR:
Hyoung-Young LEE

RESIDENCE:
Gwangyang-si, Republic of Korea

EXECUTED this 11th day of March, 2013



SIGNATURE

WITNESS:

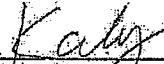


Na-Young JEON

4. FULL NAME OF ASSIGNOR:
Yeon-Sik KANG

RESIDENCE:
Gwangyang-si, Republic of Korea

EXECUTED this 11th day of March, 2013



SIGNATURE

WITNESS:



Na-Young JEON