

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT5028877

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SUNG REAL SON	06/12/2018
JI MIN KIM	06/13/2018
MIN JI SUNG	06/18/2018
SANG UK KIM	06/18/2018
JUNG YUL SON	06/14/2018

RECEIVING PARTY DATA

Name:	SK INNOVATION CO., LTD.
Street Address:	26, JONG-RO, JONGNO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	03188
Name:	SK GLOBAL CHEMICAL CO., LTD.
Street Address:	26, JONG-RO, JONGNO-GU
City:	SEOUL
State/Country:	KOREA, REPUBLIC OF
Postal Code:	03188

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16021588

CORRESPONDENCE DATA

Fax Number: (412)471-4094

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (412)471-8815

Email: assignments@webblaw.com

Correspondent Name: THE WEBB LAW FIRM

Address Line 1: ONE GATEWAY CENTER

Address Line 2: 420 FT. DUQUESNE BLVD., SUITE 1200

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222

ATTORNEY DOCKET NUMBER:	1455-1804720
NAME OF SUBMITTER:	RICHARD L. BYRNE
SIGNATURE:	/Richard L. Byrne/
DATE SIGNED:	06/28/2018
Total Attachments: 5 source=RecordationCoverSheet#page1.tif source=RecordationCoverSheet#page2.tif source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.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)

Sung Real SON Jung Yul SON
Ji Min KIM
Min Ji SUNG
Sang Uk KIM

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

2. Name and address of receiving party(ies)

Name: SK Innovation Co., Ltd.

Internal Address: _____

Street Address: 26, Jong-ro, Jongno-gu

City: Seoul

State: _____

Country: REPUBLIC OF KOREA Zip: 03188

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

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

Execution Date(s) 06/12/18; 06/13/18; 06/18/18; 06/14/18

- 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 serves as an Oath/Declaration (37 CFR 1.63).

A. Patent Application No.(s)

16/021,588

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

Docket Number: 1455 - 1804720

Email Address: assignments@webblaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 0

- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

Deposit Account Number _____

Authorized User Name _____

9. Signature:

/Richard L. Byrne/

June 28, 2018

Signature

Date

Richard L. Byrne

Name of Person Signing

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

5

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

PATENT

REEL: 046228 FRAME: 0473

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

Page 2

U.S. Patent Application No. 16/021,588, filed June 28, 2018

U.S. Patent No. _____, issued _____

Additional Information (continued from Page 1)

<p>Name of conveying party(ies)</p> <p>Execution Date(s): _____ _____</p>

<p>Name and address of receiving party(ies)</p> <p>Name: <u>SK Global Chemical Co., Ltd.</u></p> <p>Internal Address: _____ _____</p> <p>Street Address: <u>26, Jong-ro, Jongno-gu</u> _____</p> <p>City: <u>Seoul</u></p> <p>State: _____</p> <p>Country: <u>REPUBLIC OF KOREA</u> Zip: <u>03188</u></p>
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<p>Name of conveying party(ies)</p> <p>Execution Date(s): _____ _____</p>

<p>Name and address of receiving party(ies)</p> <p>Name: _____</p> <p>Internal Address: _____ _____</p> <p>Street Address: _____ _____</p> <p>City: _____</p> <p>State: _____</p> <p>Country: _____ Zip: _____</p>

ASSIGNMENT

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

METHOD OF PRODUCING CARBON NANOTUBES IN FLUIDIZED BED REACTOR

(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 _____, bearing Application No. _____ (hereinafter "said application").

AND, WHEREAS, SK Innovation Co., Ltd., a corporation of Republic of Korea, having a place of business at 26, Jong-ro, Jongno-gu, Seoul 03188, Republic of Korea and SK Global Chemical Co., LTD., a corporation of Republic of Korea, having a place of business at 26, Jong-ro, Jongno-gu, Seoul 03188, Republic of Korea hereinafter called the "assignees", 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 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 assignees 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,

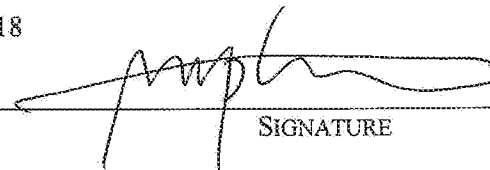
Application No. _____
Attorney Docket No. _____

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:
SON, Sung Real

RESIDENCE:
Daejeon, Republic of Korea

EXECUTED this 12 day of June, 2018

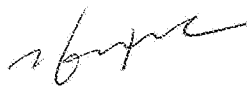

SIGNATURE

WITNESS:

2. FULL NAME OF ASSIGNOR:
KIM, Ji Min

RESIDENCE:
Daejeon, Republic of Korea

EXECUTED this 13 day of June, 2018

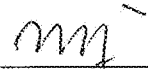

SIGNATURE

WITNESS:

3. FULL NAME OF ASSIGNOR:
SUNG, Min Ji

RESIDENCE:
Daejeon, Republic of Korea

EXECUTED this 18 day of June, 2018


SIGNATURE

WITNESS:

Checked Box indicates 1 additional page(s) for inventor signatures.

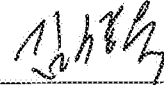
INTERNATIONAL

Application No. _____
Attorney Docket No. _____

4. FULL NAME OF ASSIGNOR:
KIM, Sang Uk

RESIDENCE:
Daejeon, Republic of Korea

EXECUTED this 18 day of June, 2018



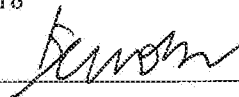
SIGNATURE

WITNESS:

5. FULL NAME OF ASSIGNOR:
SON, Jung Yul

RESIDENCE:
Daejeon, Republic of Korea

EXECUTED this 14 day of June, 2018



SIGNATURE

WITNESS:
