

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6407407

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
HO WON LEE	11/03/2020
JU HWAN IM	11/03/2020
HEE SOO KIM	11/03/2020
HYE JIN PARK	11/03/2020
JE MI LIM	11/03/2020
DAE HYUN CHOO	11/02/2020

**RECEIVING PARTY DATA**

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

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	16951233

**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, P.C.

Address Line 1: ONE GATEWAY CENTER

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

Address Line 4: PITTSBURGH, PENNSYLVANIA 15222

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	9636-2006113
<b>NAME OF SUBMITTER:</b>	RICHARD L. BYRNE REG.#28498
<b>SIGNATURE:</b>	/Richard L. Byrne/
<b>DATE SIGNED:</b>	11/18/2020
<b>Total Attachments: 6</b> source=Recordation Cover Sheet#page1.tif source=Recordation Cover Sheet Page 2#page1.tif source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.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)**

Ho Won LEE                      Je Mi LIM  
Ju Hwan IM                      Dae Hyun CHOO  
Hee Soo KIM  
Hye Jin PARK

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) November 3, 2020 and November 2, 2020

- 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)

16/951,233

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: 9636 - 2006113

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/

November 18, 2020

Signature

Date

Richard L. Byrne

Name of Person Signing

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

6

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: 054406 FRAME: 0342**

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

Page 2

U.S. Patent Application No. 16/951,233, filed November 18, 2020

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

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

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

<p><b>Name and address of receiving party(ies)</b></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><b>Name of conveying party(ies)</b></p>          <p>Execution Date(s): _____ _____</p>
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<p><b>Name and address of receiving party(ies)</b></p> <p>Name: _____</p> <p>Internal Address: _____ _____</p> <p>Street Address: _____ _____</p> <p>City: _____</p> <p>State: _____</p> <p>Country: _____ Zip: _____</p>
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INTERNATIONAL

Application No. ....

Attorney Docket No. 9636-2006113

ASSIGNMENT

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

SHAPED DEHYDROGENATION CATALYSTS AND PROCESS FOR CONVERTING  
PARAFFINS TO CORRESPONDING OLEFINS, USING SAME

(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 \_\_\_\_\_ (mm/dd/yyyy), bearing Application No. \_\_\_\_\_ (hereinafter "said application").

AND, WHEREAS, SK Innovation Co., Ltd., a corporation of the 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 the 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, including rights of priority under the International Convention of Paris (1883) as amended, 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. 16/951,233 filed 11/18/2020) 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 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, 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: Ho Won LEE RESIDENCE: Daejeon, Republic of Korea

EXECUTED this 3<sup>rd</sup> day of November, 2020

Ho Won Lee

SIGNATURE

WITNESS:

[Signature]

2. FULL NAME OF ASSIGNOR: Ju Hwan IM RESIDENCE: Daejeon, Republic of Korea

EXECUTED this 3<sup>rd</sup> day of November, 2020

Ju Hwan Im

SIGNATURE

WITNESS:

[Signature]

Checked Box indicates 2 additional pages for inventor signatures.

INTERNATIONAL  
Application No. \_\_\_\_\_

Attorney Docket No. 9636-2006113

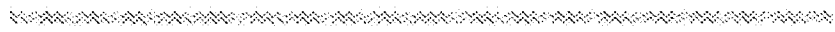
3. FULL NAME OF ASSIGNOR:  
Hee Soo KIM

RESIDENCE:  
Daejeon, Republic of Korea

EXECUTED this 3<sup>rd</sup> day of November, 2020

Heesoo KIM  
SIGNATURE

WITNESS: [Signature]



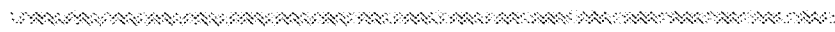
4. FULL NAME OF ASSIGNOR:  
Hye Jin PARK

RESIDENCE:  
Daejeon, Republic of Korea

EXECUTED this 3<sup>rd</sup> day of November, 2020

[Signature]  
SIGNATURE

WITNESS: [Signature]



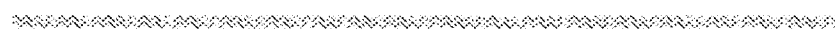
5. FULL NAME OF ASSIGNOR:  
Je MI LIM

RESIDENCE:  
Daejeon, Republic of Korea

EXECUTED this 3<sup>rd</sup> day of November, 2020

Jeon Lim  
SIGNATURE

WITNESS: [Signature]



INTERNATIONAL

Application No. \_\_\_\_\_

Attorney Docket No. 9636-2006113

6. FULL NAME OF ASSIGNOR:

Dae Hyun CHOO

RESIDENCE:

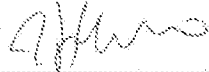
Daejeon, Republic of Korea

EXECUTED this 2<sup>nd</sup> day of November, 2020



SIGNATURE

WITNESS:



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