

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>JiSu Jeong</td> <td>10/21/2010</td> </tr> <tr> <td>SungJae Na</td> <td>10/21/2010</td> </tr> <tr> <td>Sujith Sudevan</td> <td>10/21/2010</td> </tr> <tr> <td>MyungAhn Ok</td> <td>10/21/2010</td> </tr> <tr> <td>Young Gyu Han</td> <td>10/21/2010</td> </tr> <tr> <td>KwangJin Chung</td> <td>10/21/2010</td> </tr> <tr> <td>BunYeoul Lee</td> <td>10/19/2010</td> </tr> <tr> <td>Anish Cyriac</td> <td>10/19/2010</td> </tr> </tbody> </table>		Name	Execution Date	JiSu Jeong	10/21/2010	SungJae Na	10/21/2010	Sujith Sudevan	10/21/2010	MyungAhn Ok	10/21/2010	Young Gyu Han	10/21/2010	KwangJin Chung	10/21/2010	BunYeoul Lee	10/19/2010	Anish Cyriac	10/19/2010
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RECEIVING PARTY DATA																			
<table border="1"> <tr> <td>Name:</td> <td>SK Energy Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>99, Seorin-dong</td> </tr> <tr> <td>City:</td> <td>Seoul, Jongno-gu</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>110-110</td> </tr> </table>		Name:	SK Energy Co., Ltd.	Street Address:	99, Seorin-dong	City:	Seoul, Jongno-gu	State/Country:	KOREA, REPUBLIC OF	Postal Code:	110-110								
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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>13927485</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13927485														
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CORRESPONDENCE DATA																			
Fax Number:	4129455933																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone:	4124718815																		
Email:	assignments@webblaw.com																		
Correspondent Name:	The Webb Law Firm																		
Address Line 1:	One Gateway Center, 420 Ft Duquesne Blvd																		
Address Line 2:	Suite 1200																		
Address Line 4:	Pittsburgh, PENNSYLVANIA 15222																		

OP \$40.00 13927485

ATTORNEY DOCKET NUMBER:	5038-131815
NAME OF SUBMITTER:	Richard L. Byrne
Signature:	/Richard L. Byrne/
Date:	06/26/2013
Total Attachments: 4 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)

JiSu Jeong Young Gyu Han
Sung Jae Na KwangJin Chung
Sujith Sudevan
MyungAhn Ok

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

2. Name and address of receiving party(ies)

Name: SK Energy Co., Ltd.

Internal Address: _____

Street Address: 99, Seorin-dong

City: Seoul

State: Jongno-gu

Country: Republic of Korea Zip: 110-110

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

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

Execution Date(s) October 21, 2010

- ☒ 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)
13/927,485

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: _____

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

June 26, 2013

Date

Richard L. Byrne
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

RECORDATION FORM COVER SHEET PATENTS ONLY Page 2

ASSIGNMENT

This is an Assignment of the following rights, title and interest:

- ☒ United States of America rights, title and interest in the invention
- ☒ Foreign rights, title and interest in the invention
- ☒ International Application No.

Date of Filing:

- ☐ For which an application for a U.S. Patent was executed on _____

- ☐ United States Patent Application Serial No. _____

Date of Filing: _____

Title of the Invention: Precise control of molecular weight and chain shape control in carbon dioxide/epoxide alternating copolymerization and preparation of low molecular weight poly(alkylene carbonate) thereby.

Inventors (Assignors): JEONG, JISU / NA, SUNGJAE / SUDEVAN, SUJITH / OK, MYUNGHAHN /
HAN, YOUNGGYU / CHUNG, KWANGJIN / LEE, Bun Yeoul / Anish Cyriac

Assignee(s): SK ENERGY CO., LTD.
(99, Seorin-dong, Jongro-gu, Seoul 110-110 Republic of Korea)

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and/or patent(s) (hereinafter referred to as "Invention");

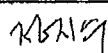
And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified assignee;

Now, this Indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

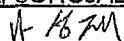
We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said applications(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, which may be granted or have granted for said Invention, and in and to any and all reissues and reexaminations thereof, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States, unto said Assignee.

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

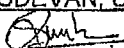
And we further agree to sign and execute all necessary and lawful future documents, including applications, for filing divisions, continuations and continuations-in-part of said application for patent, and/or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignee or its Designee(s) may from time to time require and prepare at its own expense.

JEONG, JISU
Signature: 

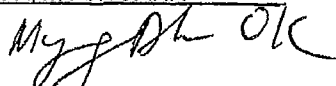
Date 10/21/2010

NA, SUNGJAE
Signature: 

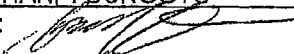
Date 10/21/2010

SUDEVAN, SUJITH
Signature: 


Date 10/21/2010

OK, MYUNGHAHN
Signature:  OK

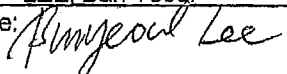
Date 10/21/2010

HAN, YOUNGGYU
Signature: 


Date 10/21/2010

CHUNG
JUNG, KWANGJIN
Signature:  Chung Kwang Jin

Date 10/21/2010

LEE, Bun Yeoul
Signature:  Bunyeoul Lee

Date 10/19/2010

Anish Cyriac
Signature: 

Date 10/19/2010