

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT8007613

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| MYUNGAHN OK | 07/15/2009 |
| DONGCHEOL SHIN | 07/15/2009 |
| JISU JEONG | 07/15/2009 |
| HOSEONG LEE | 07/15/2009 |
| JONGSOK HAHN HAHN | 07/15/2009 |
| CHOONSIK SHIM | 07/15/2009 |
| RECEIVING PARTY DATA | |
| Name: | SK ENERGY CO., LTD. |
| Street Address: | 99 SEORIN-DONG |
| Internal Address: | JONGRO-GU |
| City: | SEOUL |
| State/Country: | KOREA, REPUBLIC OF |
| Postal Code: | 110-110 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 13223636 |
| CORRESPONDENCE DATA | |
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| NAME OF SUBMITTER: | SIGAL TZAFIR |
| SIGNATURE: | /Sigal Tzafir/ |
| DATE SIGNED: | 06/14/2023 |

Total Attachments: 4

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PATENT ASSIGNMENT

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| CONVEYING PARTY DATA | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Myungahn OK</td> <td>07/15/2009</td> </tr> <tr> <td>Dongcheol SHIN</td> <td>07/15/2009</td> </tr> <tr> <td>Jisu JEONG</td> <td>07/15/2009</td> </tr> <tr> <td>Hoseong LEE</td> <td>07/15/2009</td> </tr> <tr> <td>Jongsok HAHN</td> <td>07/15/2009</td> </tr> <tr> <td>Choonsik SHIM</td> <td>07/15/2009</td> </tr> </tbody> </table> | | Name | Execution Date | Myungahn OK | 07/15/2009 | Dongcheol SHIN | 07/15/2009 | Jisu JEONG | 07/15/2009 | Hoseong LEE | 07/15/2009 | Jongsok HAHN | 07/15/2009 | Choonsik SHIM | 07/15/2009 |
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| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>SK ENERGY CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>99 Seorin-dong</td> </tr> <tr> <td>Internal Address:</td> <td>Jongro-gu</td> </tr> <tr> <td>City:</td> <td>Seoul</td> </tr> <tr> <td>State/Country:</td> <td>REPUBLIC OF KOREA</td> </tr> <tr> <td>Postal Code:</td> <td>110-110</td> </tr> </table> | | Name: | SK ENERGY CO., LTD. | Street Address: | 99 Seorin-dong | Internal Address: | Jongro-gu | City: | Seoul | State/Country: | REPUBLIC OF KOREA | Postal Code: | 110-110 | | |
| Name: | SK ENERGY CO., LTD. | | | | | | | | | | | | | | |
| Street Address: | 99 Seorin-dong | | | | | | | | | | | | | | |
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| City: | Seoul | | | | | | | | | | | | | | |
| State/Country: | REPUBLIC OF KOREA | | | | | | | | | | | | | | |
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| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12565220</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12565220 | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | |
| Application Number: | 12565220 | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 12152-0054 | | | | | | | | | | | | | | |

OP \$40.00 12565220

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PATENT
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PATENT
 REEL: 063953 FRAME: 0170

NAME OF SUBMITTER:

Christopher W. Brody

Total Attachments: 2

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PATENT

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PATENT

REEL: 063953 FRAME: 0171

ASSIGNMENT

Docket No.:
12152-0054

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. 12/565,220

Date of Filing: September 1, 2011

Title of the Invention: **Transition metal catalytic systems and methods for preparing ethylene homopolymers or copolymers of ethylene and α -olefins using the same**

Inventors (Assignors): OK, MYUNGAHN/ SHIN, DONGCHEOL/ JEONG, JISU/ LEE, HOSEONG/ HAHN, JONGSOK/ SHIM, CHOONSIK

Assignee(s): SK ENERGY CO., LTD.
of 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");

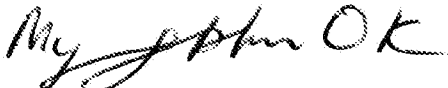
And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified assignee;

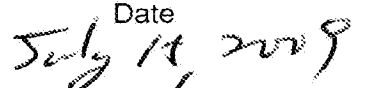
Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged:

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.

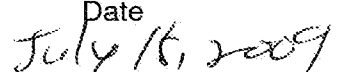
And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignee, as assignee of the whole right, title and interest thereto;

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.

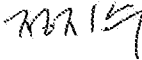
OK, MYUNGAHN
Signature: 

July 15, 2009
Date: 

SHIN, DONGCHEOL
Signature: 

July 15, 2009
Date: 

PATENT
REEL: 063953 FRAME: 0172,

JEONG, JISU
Signature: 


July 15, 2009
Date
July 15, 2009

LEE, HOSEONG
Signature: 

July 15, 2009
Date
July 15, 2009

HAHN, JONGSOK
Signature: 

July 15, 2009
Date
July 15, 2009

SHIM, CHOONSIK
Signature: 

July 15, 2009
Date
July 15, 2009