

PATENT ASSIGNMENT

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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>Sang Yull KIM</td> <td>06/04/2012</td> </tr> <tr> <td>Joon Ryeo PARK</td> <td>06/04/2012</td> </tr> <tr> <td>Eun Il KIM</td> <td>06/04/2012</td> </tr> <tr> <td>Jin Woo LEE</td> <td>06/04/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sang Yull KIM	06/04/2012	Joon Ryeo PARK	06/04/2012	Eun Il KIM	06/04/2012	Jin Woo LEE	06/04/2012
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RECEIVING PARTY DATA											
Name:	SAMSUNG TOTAL PETROCHEMICALS CO., LTD.										
Street Address:	411-1 Dokgod-ri, Daesan-up										
City:	Seosan-si, Chungcheongnam-do										
State/Country:	KOREA, REPUBLIC OF										
Postal Code:	356-874										
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>14016537</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14016537						
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Application Number:	14016537										
CORRESPONDENCE DATA											
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Signature:	/Benoit Castel/										
Date:	09/03/2013										
Total Attachments: 1 source=ASSMT#page1.tif											

OP \$40.00 14016537

PATENT

ASSIGNMENT

WHEREAS,

KIM, Sang Yull
PARK, Joon Ryeo
KIM, Eun Il
LEE, Jin Woo

hereafter referred to as "applicant(s)", have invented certain new and useful improvements in

MANUFACTURING METHOD OF SOLID CATALYST FOR PROPYLENE POLYMERIZATION

- (a) for which an application for a United States patent was filed on
September 3, 2013, Application No. 14/016,537,
- (b) for which an application for a United States patent was executed on

WHEREAS, **SAMSUNG TOTAL PETROCHEMICALS CO., LTD.**,

whose address is 411-1 Dokgod-ri, Daesan-up, Seosan-si, Chungcheongnam-do (356-874), Republic of Korea.

hereinafter referred to as "assignee(s)", is desirous of acquiring the entire right, title and interest in and to the same,

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, applicant(s), by these presents, do(es) hereby sell, assign and transfer unto said assignee(s) the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all patents which may be granted therefor in the United States, for its sole use and behoof, and for the use and behoof of its legal representatives, to the full end of the term for which said patents may be granted, as fully and entirely as the same would have been held by applicant(s) had this assignment and sale not been made.

Applicant(s) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said United States patents to said assignee(s).

Date June 4, 2012 _____
(signature) **KIM, Sang Yull**

Date June 4, 2012 _____
(signature) **PARK, Joon Ryeo**

Date June 4, 2012 _____
(signature) **KIM, Eun Il**

Date June 4, 2012 _____
(signature) **LEE, Jin Woo**