

## 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>04/20/2012</td> </tr> <tr> <td>Jin Woo LEE</td> <td>04/20/2012</td> </tr> <tr> <td>Eun Il KIM</td> <td>04/20/2012</td> </tr> <tr> <td>Joon Ryeo PARK</td> <td>04/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Sang Yull KIM	04/20/2012	Jin Woo LEE	04/20/2012	Eun Il KIM	04/20/2012	Joon Ryeo PARK	04/20/2012
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RECEIVING PARTY DATA											
Name:	SAMSUNG TOTAL PETROCHEMICALS CO., LTD.										
Street Address:	411-1 Dokgod-ri, Daesan-up, Chungcheongnam-do										
City:	Seosan-si										
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>13457944</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13457944						
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Application Number:	13457944										
CORRESPONDENCE DATA											
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NAME OF SUBMITTER:	Benoit Castel										
Total Attachments: 1 source=ASSMT#page1.tif											

OP \$40.00 13457944

# ASSIGNMENT

WHEREAS,

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

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

## A SOLID CATALYST FOR PROPYLENE POLYMERIZATION AND A METHOD FOR PREPARATION OF POLYPROPYLENE USING THE SAME

- (a) for which an application for a United States patent was filed on  
April 27, 2012, Application No. 13/457,944
- (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 Apr. 20, 2012

(signature) Sang Yull KIM

Date Apr. 20, 2012

(signature) Jin Woo LEE

Date Apr. 20, 2012

(signature) Eun Il KIM

Date Apr. 20, 2012

(signature) Joon Ryeo PARK