PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the seventh listed inventor's first name previously recorded on Reel 030267 Frame 0784. Assignor(s) hereby confirms the correct spelling is "Seung-Woong".

CONVEYING PARTY DATA

Name	Execution Date
Bun-Yeoul Lee	04/03/2013
Ji-Hae Park	04/03/2013
Seung-Hyun Do	04/03/2013
Young-Kook Kim	04/09/2013
Hwa-Kyu Kim	04/08/2013
In-Sung Nam	04/08/2013
Seung-Woong Yoon	04/09/2013

RECEIVING PARTY DATA

Name:	Lotte Chemical Corporation
Street Address:	(Sindaebang-dong) 51 Boramae-ro 5-gil
Internal Address:	Dongjak-gu
City:	Seoul
State/Country:	KOREA, REPUBLIC OF
Postal Code:	156-711

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13640900

CORRESPONDENCE DATA

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PATENT REEL: 031058 FRAME: 0447 \$40.00

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ATTORNEY DOCKET NUMBER:	038779/425151
NAME OF SUBMITTER:	Guy R. Gosnell
Signature:	/Guy R. Gosnell/
Date:	08/21/2013
Total Attachments: 9 source=28045299_1#page1.tif source=28045299_1#page3.tif source=28045299_1#page4.tif source=28045299_1#page5.tif source=28045299_1#page6.tif source=28045299_1#page7.tif source=28045299_1#page8.tif source=28045299_1#page8.tif source=28045299_1#page8.tif	

PATENT REEL: 031058 FRAME: 0448

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Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

PATENT ASSIGNMENT

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1364090

OU UPS

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ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

Lotte Chemical Corporation (Sindaebang-dong) 51 Boramae-ro 5-gil, Dongjak-gu Seoul 156-711, Republic of Korea

its successors and assigns, the entire right, title and interest, so far as concerns the United States and the Territories and Possessions thereof and all foreign countries in and to the invention in

"SUPPORTED CATALYST FOR OLEFIN POLYMERIZATION AND PREPARATION METHOD FOR POLYOLEFIN USING THE SAME"

as set forth in this United States Patent Application

	executed concurrently herewith
	executed on
	Application No. <u>13/640,900</u> ; filed <u>October 12, 2012</u>
\boxtimes	Application is a national phase entry of PCT International Application Number
	PCT/KR2011/002583, filed on April 12, 2011, which claims priority to Korean Patent
	Application No. 10-2010-0033273, filed on April 12, 2010, and Korean Patent
	Application No. 10-2010-0057102, filed on June 16, 2010 all applications listed above
	being hereinafter referred to as the "application(s)";

said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, and extensions of Letters Patent granted for said inventions or upon said applications and every priority right that is or may be predicated upon or arise from said inventions, said applications, and said Letters Patent; said Assignee being hereby authorized to file patent applications in any or all countries on any or all said inventions in the name of the undersigned or in the name of said Assignee or otherwise as said Assignee may deem advisable, under the International Convention or otherwise; the Commissioner of Patents and Trademarks of the United States of America being hereby authorized to issue or transfer all said Letters Patent to said Assignee in accordance herewith; this assignment being under covenant, not only that full power to make the same is had by the undersigned, but also that such assigned right is not encumbered by any grant, license, or other right theretofore given, and that the undersigned will do all acts reasonably serving to ensure that the said inventions, patent applications and Letters Patent shall be held and enjoyed by said Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly to execute and deliver to said Assignee all lawful documents including petitions, specifications, oaths, assignments, invention disclaimers, declarations, and lawful affidavits in form and substance which may be requested by said Assignee, to furnish said Assignee with all

> PATENT REEL: 031058 FRAME: 0450

facts relating to said inventions or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may embody said inventions, and to testify in any proceedings relating to said inventions, patent applications, and/or Letters Patent.

The undersigned hereby grant(s) an authorized representative of Assignee the power to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

This Assignment is deemed to be effective at least as early as April 12, 2010 (the earliest priority date).

 $\frac{4/3/20/3}{\text{Date}}$

Bun-Yeoul Lee

This Assignment is deemed to be effective at least as early as April 12, 2010 (the earliest priority date).

4/2/2017

Date

Ji-Hae Park

This Assignment is deemed to be effective at least as early as April 12, 2010 (the earliest priority date).

4/3/2013 5500 Date Seung-Hyun Do

This Assignment is deemed to be effective at least as early as April 12, 2010 (the earliest priority date).

 4/9/20/3
 Y. K. Kim

 Date
 Young-Kook Kim

This Assignment is deemed to be effective at least as early as April 12, 2010 (the earliest priority date).

8 / 2013 7 7 7 7 7 Thrank The Thrank Thran

This Assignment is deemed to be effective at least as early as April 12, 2010 (the earliest priority date).

4/8/2013

Date

In-Sung Nam

This Assignment is deemed to be effective at least as early as April 12, 2010 (the earliest priority date).

4/9/2013

1 39

Date

Seung-Woong Yoon

Attorney Docket No. 038779/425151

Client Ref. OPP20122624US