

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>Sutheerawat Samingprai</td> <td>06/18/2013</td> </tr> <tr> <td>Worawat Chuencheep</td> <td>06/18/2013</td> </tr> <tr> <td>Pattiya Suttipitakwong</td> <td>06/18/2013</td> </tr> <tr> <td>Chaya Chandavas</td> <td>06/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	Sutheerawat Samingprai	06/18/2013	Worawat Chuencheep	06/18/2013	Pattiya Suttipitakwong	06/18/2013	Chaya Chandavas	06/18/2013
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<table border="1"> <tr> <td>Name:</td> <td>PTT Global Chemical PCL</td> </tr> <tr> <td>Street Address:</td> <td>555/1 Energy Complex Building A, Floor 14th-18th, Vibhavadi Rangsit Road</td> </tr> <tr> <td>City:</td> <td>Chatuchak, Bangkok</td> </tr> <tr> <td>State/Country:</td> <td>THAILAND</td> </tr> <tr> <td>Postal Code:</td> <td>10900</td> </tr> </table>		Name:	PTT Global Chemical PCL	Street Address:	555/1 Energy Complex Building A, Floor 14th-18th, Vibhavadi Rangsit Road	City:	Chatuchak, Bangkok	State/Country:	THAILAND	Postal Code:	10900
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CORRESPONDENCE DATA											
<p>Fax Number: 8565208983 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 8565208991 Email: firm@kimkrizman.com Correspondent Name: Y. Jae Kim Address Line 1: 1307 White Horse Road, Suite 601 Address Line 4: Voorhees, NEW JERSEY 08043</p>											
ATTORNEY DOCKET NUMBER:	1003.0011-11US										
NAME OF SUBMITTER:	Y. Jae Kim										
Signature:	/Y. Jae Kim/										

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PATENT
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Date:

07/19/2013

Total Attachments: 3

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this 18 day of June, 2013, by Sutteerawat Samingprai, Worawat Chuencheep, Pattiya Suttipitakwong, and Chaya Chandavasu (hereinafter referred to as Assignor(s)), at 555/1, Energy Complex Building A, Floor 14th-18th, Vibhavadi Rangsit Road, Chatuchak, Bangkok 10900 Thailand.

WHEREAS, Assignor(s) have invented certain new and useful improvements in A MAGNESIUM HALIDE SUPPORT FOR USE AS A COMPOSITION OF A CATALYST FOR THE OLEFIN POLYMERIZATION, AND METHOD OF PREPARATION OF THE MAGNESIUM HALIDE SUPPORT, set forth in a Patent Application for Letters Patent of the United States, already filed on June 20, 2013 as U.S. Application No. 13/996,010; and

WHEREAS, PTT Global Chemical PCL, an organization having its principal place of business at 555/1, Energy Complex Building A, Floor 14th-18th, Vibhavadi Rangsit Road, Chatuchak, Bangkok 10900 Thailand (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor(s) have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisionals, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by the Assignor(s), has this sale and assignment not been made.

AND for the same consideration, Assignor(s) hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of the execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignor(s) are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same

are unencumbered and that Assignor(s) have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignor(s) hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignor(s) will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Patent application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignor(s) hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.


AND Assignor(s) hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademarks Office for recordation of this document:

Kim Krizman LLC

All practitioners at Customer No.: 103651


AND Assignor(s) acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.

Dated: 18 June 2013



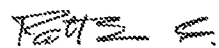
Sutheerawat Samingprai

Dated: 18 June 2013



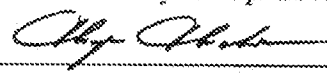
Worawat Chuencheep

Dated: 18 June 2013



Pattiya Suttiwitakwong

Dated: 18 June 2013



Chaya Chandavas