

## 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>Kyung-Jun Kim</td> <td>04/18/2013</td> </tr> <tr> <td>Chun-Sik Byun</td> <td>04/18/2013</td> </tr> <tr> <td>Jin-Heung Kim</td> <td>04/18/2013</td> </tr> <tr> <td>Hui-Chan Kim</td> <td>04/18/2013</td> </tr> <tr> <td>Young-Jong Seo</td> <td>04/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	Kyung-Jun Kim	04/18/2013	Chun-Sik Byun	04/18/2013	Jin-Heung Kim	04/18/2013	Hui-Chan Kim	04/18/2013	Young-Jong Seo	04/18/2013
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Young-Jong Seo	04/18/2013												
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													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13890538</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13890538								
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Application Number:	13890538												
CORRESPONDENCE DATA													
Fax Number:	7044441111												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	704-444-1000												
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ATTORNEY DOCKET NUMBER:	038779/432591												

NAME OF SUBMITTER:	Guy R. Gosnell
Signature:	/Guy R. Gosnell/
Date:	05/09/2013
Total Attachments: 2 source=432591 - Signed Assignment#page1.tif source=432591 - Signed Assignment#page2.tif	

Attorney Docket No.

**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

**A CATALYST FOR REDUCTIVE AMINATION-REACTION AND USES THEREOF**


as set forth in this United States Patent Application

- executed concurrently herewith
- executed on \_\_\_\_\_
- Application No. \_\_\_\_\_; filed \_\_\_\_\_
- Application claims priority from Application No. \_\_\_\_\_, filed \_\_\_\_\_, all applications listed above being hereinafter referred to as the "application(s)";

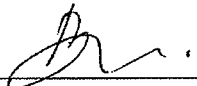
said application for United States Letters Patent, including all divisional, renewal, substitute, continuation, nonprovisionals, continuation-in-parts, and Convention applications based in whole or in part upon said inventions or upon said applications, and any and all Letters Patent and reissues, reexaminations, 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 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.

13. 4. 18.  
Date

  
KIM, Kyung-Jun

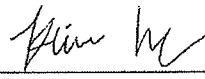
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Date

  
BYUN, Chun-Sik

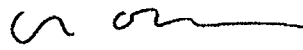
2013. 4. 18  
Date

  
KIM, Jin-Heung

2013. 4. 18.  
Date

  
KIM, Hui-Chan

2013. 4. 18  
Date

  
SEO, Young-Jong