

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | |
|---|---|---------------|---|------------------------|---------------------------|-----------------|------------|-----------------------|--|---------------------|------------|--------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Jong-San Chang</td> <td>09/05/2009</td> </tr> <tr> <td>Young-Kyu Hwang</td> <td>09/05/2009</td> </tr> <tr> <td>Jung-Ho Lee</td> <td>09/05/2009</td> </tr> <tr> <td>Jong-Min Lee</td> <td>09/05/2009</td> </tr> <tr> <td>Min-Hee Jung</td> <td>09/05/2009</td> </tr> </tbody> </table> | | Name | Execution Date | Jong-San Chang | 09/05/2009 | Young-Kyu Hwang | 09/05/2009 | Jung-Ho Lee | 09/05/2009 | Jong-Min Lee | 09/05/2009 | Min-Hee Jung | 09/05/2009 |
| Name | Execution Date | | | | | | | | | | | | |
| Jong-San Chang | 09/05/2009 | | | | | | | | | | | | |
| Young-Kyu Hwang | 09/05/2009 | | | | | | | | | | | | |
| Jung-Ho Lee | 09/05/2009 | | | | | | | | | | | | |
| Jong-Min Lee | 09/05/2009 | | | | | | | | | | | | |
| Min-Hee Jung | 09/05/2009 | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Korea Research Institute of Chemical Technology</td> </tr> <tr> <td>Street Address:</td> <td>100, Jang-dong Yuseong-gu</td> </tr> <tr> <td>City:</td> <td>Daejeon</td> </tr> <tr> <td>State/Country:</td> <td>KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF</td> </tr> <tr> <td>Postal Code:</td> <td>305-343</td> </tr> </table> | | Name: | Korea Research Institute of Chemical Technology | Street Address: | 100, Jang-dong Yuseong-gu | City: | Daejeon | State/Country: | KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF | Postal Code: | 305-343 | | |
| Name: | Korea Research Institute of Chemical Technology | | | | | | | | | | | | |
| Street Address: | 100, Jang-dong Yuseong-gu | | | | | | | | | | | | |
| City: | Daejeon | | | | | | | | | | | | |
| State/Country: | KOREA, DEMOCRATIC PEOPLE'S REPUBLIC OF | | | | | | | | | | | | |
| Postal Code: | 305-343 | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12563885</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12563885 | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | |
| Application Number: | 12563885 | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | |
| <p>Fax Number: (303)499-8089</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 303-499-8080</p> <p>Email: usptomail@greenwin.com</p> <p>Correspondent Name: Greenlee, Winner and Sullivan, P.C.</p> <p>Address Line 1: 4875 Pearl East Circle</p> <p>Address Line 2: Suite 200</p> <p>Address Line 4: Boulder, COLORADO 80301</p> | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 116-09 | | | | | | | | | | | | |
| NAME OF SUBMITTER: | Donna M. Ferber | | | | | | | | | | | | |

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PATENT
REEL: 023268 FRAME: 0277

Total Attachments: 2

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| ASSIGNMENT OF RIGHTS, TITLE AND INTEREST IN INVENTION |
|--|

This is an assignment of the following rights, title and interest (check all that apply):

- ☒ *United States of America rights, title and interest in the invention*
- ☐ *Foreign rights, title and interest in the invention*
- ☐ *United States Patent Application Serial No.* 12/563,885
Date of Execution: _____ *Date of Filing:* 09/21/2009
- ☐ *United States Provisional Patent Application Serial No.* _____
- ☐ *United States Patent No(s).* _____
- ☐ *International (PCT) Patent Application Serial No.* _____
- ☐ *Other (specify)* _____

Title of the Invention:

| |
|---|
| CATALYST FOR DIRECT CONVERSION OF ESTERS OF LACTIC ACID TO LACTIDE AND THE METHOD FOR PRODUCING THE LACTIDE USING THE SAME |
|---|

Inventors (assignors):

| <i>Name</i> | <i>Address</i> |
|------------------|--|
| CHANG, Jong-San | #103-204 Yudeung Maeul Apt., Taepyeong-dong Jung-gu, Daejeon 301-150, Republic of Korea |
| HWANG, Young-Kyu | #110-101 Daelim Dure Apt., Sinseong-dong, Yuseong-gu, Daejeon 305-720, Republic of Korea |
| LEE, Jung-Ho | #117-402 Hanbit Apt., Eoeun-dong Yuseong-gu, Daejeon 305-755, Republic of Korea |
| LEE, Jong-Min | 210-72, Sinseong-dong Yuseong-gu, Daejeon 305-805, Republic of Korea |
| JUNG, Min-Hee | #613-1301 Jeongdeunmaeul Woosung Apt., Jeongja-dong Bundang-gu, Seongnam-si Gyeonggi-do 463-753, Republic of Korea |

Assignee:

| <i>Name</i> | <i>Address</i> |
|--|--|
| KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY | 100, Jang-dong Yuseong-gu, Daejeon 305-343, Republic of Korea |

Whereas, we, the above-identified Inventors, have invented certain new and useful improvements in the Invention identified above and described in the above-identified patent application(s) and /or patent(s) (hereinafter referred to as "Invention");

And, whereas we desire to assign our above-identified rights, title and interest in the Invention to the above-identified Assignees;

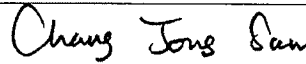
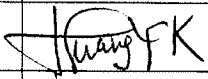
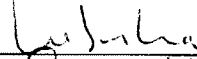
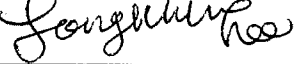

Now, this indenture witnesseth, that for good and valuable consideration, the receipt whereof is hereby acknowledged;

We hereby assign, sell and transfer our above-identified rights, title and interest in said Invention, said application(s) as identified above, including any divisions, continuations, and continuations-in-part thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said Invention, and in and to any and all reissues and reexaminations thereof, which may be granted or have granted for said Invention, and in and to any and all priority rights, Convention rights, and other benefits accruing or to accrue to us with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, unto said Assignees;

And we hereby authorize and request the Commissioner of Patents and Trademarks to issue any United States Letters Patent which may issue for said Invention to said Assignees, as assignee of the whole right, title and interest thereto;

And we further agree to sign and execute all necessary and lawful future documents, including applications for foreign patents, for filing divisions, continuations and continuation-in-part of said application for patent and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid Invention, as the Assignees or its Designee(s) may from time to time require and prepare at its own expense.

Inventors' Signatures:

| Name | Signature/ Date |
|------------------|--|
| CHANG, Jong-San |  September 5, 2009 |
| HWANG, Young-Kyu |  September 5, 2009 |
| LEE, Jung-Ho |  September 5, 2009 |
| LEE, Jong-Min |  September 5, 2009 |
| JUNG, Min-Hee |  September 5, 2009 |

PATENT

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