

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

| 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>JunYong Zhu</td> <td>06/18/2012</td> </tr> <tr> <td>Ronald Sabo</td> <td>06/19/2012</td> </tr> <tr> <td>Craig Clemons</td> <td>06/19/2012</td> </tr> </tbody> </table>   |   | Name          | Execution Date  | JunYong Zhu         | 06/18/2012                | Ronald Sabo | 06/19/2012 | Craig Clemons  | 06/19/2012           |              |       |
| Name   | Execution Date  |               |   |                     |                           |             |            |                |                      |              |       |
| JunYong Zhu  | 06/18/2012  |               |   |                     |                           |             |            |                |                      |              |       |
| Ronald Sabo  | 06/19/2012  |               |   |                     |                           |             |            |                |                      |              |       |
| Craig Clemons  | 06/19/2012  |               |   |                     |                           |             |            |                |                      |              |       |
| RECEIVING PARTY DATA   |   |               |   |                     |                           |             |            |                |                      |              |       |
| <table border="1"> <tr> <td>Name:</td> <td>The United States of America as Represented by the Secretary of Agriculture</td> </tr> <tr> <td>Street Address:</td> <td>1400 Independence Ave. SW</td> </tr> <tr> <td>City:</td> <td>Washington</td> </tr> <tr> <td>State/Country:</td> <td>DISTRICT OF COLUMBIA</td> </tr> <tr> <td>Postal Code:</td> <td>20250</td> </tr> </table> |   | Name:         | The United States of America as Represented by the Secretary of Agriculture | Street Address:     | 1400 Independence Ave. SW | City:       | Washington | State/Country: | DISTRICT OF COLUMBIA | Postal Code: | 20250 |
| Name:  | The United States of America as Represented by the Secretary of Agriculture |               |   |                     |                           |             |            |                |                      |              |       |
| Street Address:  | 1400 Independence Ave. SW   |               |   |                     |                           |             |            |                |                      |              |       |
| City:  | Washington  |               |   |                     |                           |             |            |                |                      |              |       |
| State/Country:   | DISTRICT OF COLUMBIA  |               |   |                     |                           |             |            |                |                      |              |       |
| Postal Code:   | 20250   |               |   |                     |                           |             |            |                |                      |              |       |
| 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>13491881</td> </tr> </tbody> </table>  |   | Property Type | Number  | Application Number: | 13491881                  |             |            |                |                      |              |       |
| Property Type  | Number  |               |   |                     |                           |             |            |                |                      |              |       |
| Application Number:  | 13491881  |               |   |                     |                           |             |            |                |                      |              |       |
| CORRESPONDENCE DATA  |   |               |   |                     |                           |             |            |                |                      |              |       |
| <p>Fax Number: (608)231-9508</p> <p>Email: lschrumer@fs.fed.us</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: USDA Forest Service Patent Program</p> <p>Address Line 1: 1 Gifford Pinchot Dr.</p> <p>Address Line 4: Madison, WISCONSIN 53726</p>                       |   |               |   |                     |                           |             |            |                |                      |              |       |
| ATTORNEY DOCKET NUMBER:  | ZHU-0169.10   |               |   |                     |                           |             |            |                |                      |              |       |
| NAME OF SUBMITTER:   | Janet I. Stockhausen  |               |   |                     |                           |             |            |                |                      |              |       |
| <p>Total Attachments: 1</p> <p>source=AssignZhuSaboClemons-signed#page1.tif</p>  |   |               |   |                     |                           |             |            |                |                      |              |       |

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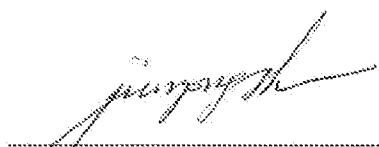
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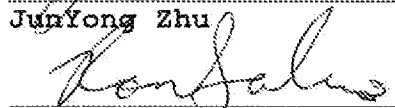
WHEREAS, we, JunYong Zhu, Ronald Sabo, and Craig Clemons residing respectively at 1269 Meadow Sweet Dr., Madison, WI 53719, USA; 586 Athletic Way, Sun Prairie, WI 53590, USA, and 6205 Pioneer Road, Madison, WI 53711, USA; have jointly invented "METHODS FOR INTEGRATED CONVERSION OF LIGNOCELLULOSIC MATERIAL TO SUGARS OR BIOFUELS AND NANO-CELLULOSE", U.S. Patent Application No. 13/491,881, which was filed June 8, 2012, for which we are making application for a Letters Patent of the United States; and,

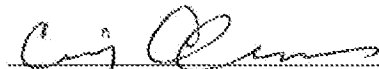
WHEREAS, the worldwide patent rights in said invention are assignable to the United States by virtue of our having made the invention while in the employ of the United States Department of Agriculture under applicable law and regulations of the United States Department of Agriculture which render said patent rights so assignable; and

WHEREAS, the United States, as represented by the Secretary of Agriculture, is desirous of acquiring an assignment of said patent rights;

NOW, THEREFORE, in consideration of these premises, we hereby assign said worldwide patent rights to the United States of America, as represented by the Secretary of Agriculture;

  
\_\_\_\_\_  
JunYong Zhu

  
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Ronald Sabo

  
\_\_\_\_\_  
Craig Clemons

6/18/12  
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Date

6/19/2012  
\_\_\_\_\_  
Date

6/19/12  
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Date