

Form PTO-1595 (Rev. 08/05)
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Doc Code: 1-28084

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)Adriaan Reinhard Pieter van Heiningen - March 8, 2007
Sung-Hoon Yoon - March 6, 2007
Haixuan Zou - March 7, 2007
Jianer Jiang - April 16, 2007
Gopal C. Goyal - April 16, 2007Additional name(s) of conveying party(ies) attached? Yes No**2. Name and address of receiving party(ies)**Name: University of Maine System Board of Trustees

Internal Address: _____

Street Address: 107 Maine AvenueCity: BangorState: MaineCountry: U.S.A. Zip: 04401Additional name(s) & address(es) attached? Yes No**3. Nature of conveyance/Execution Date(s):**Execution Date(s) please see above

- Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other

4. Application or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s)

11/640,820 filed December 18, 2006

B. Patent No.(s)

Additional numbers attached? Yes No**5. Name and address to whom correspondence concerning document should be mailed:**Name: Gary M. Sutter - Reg. No. 31,574

Internal Address: _____

MacMillan, Sobanski & Todd, LLCStreet Address: One Maritime Plaza, Fifth Floor720 Water StreetCity: ToledoState: OH Zip: 43604-1853Phone Number: (419) 255-5900Fax Number: (419) 255-9639Email Address: sutter@mstfirm.com**6. Total number of applications and patents involved:**1**7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00**

- Authorized to be charged by credit card
 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 13-0005Authorized User Name MacMillan Sobanski Todd**9. Signature:**Gary M Sutter

Signature

April 23, 2007

Date

Gary M. Sutter

Name of Person Signing

Total number of pages including cover

10Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

CH \$40.00 130005 11640820

PATENT
1-28084

ASSIGNMENT

WHEREAS, We, Adriaan Reinhard Pieter van Heiningen, of 28 College Heights, Orono, Maine 04473, Sung-Hoon Yoon, of 17 Massachusetts St., Unit 2, Old Town, Maine 04468, and Haixuan Zou, of 18 Sunrise Terrace, Orono, Maine 04473, have invented PROCESS OF TREATING A LIGNOCELLULOSIC MATERIAL, for which we have filed United States patent application Serial No. 11/640,820 on December 18, 2006;


AND WHEREAS, the University of Maine System Board of Trustees, of 107 Maine Avenue, Bangor, Maine 04401, is desirous of acquiring the entire interest in and to said invention and any Letters Patent to issue therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other valuable considerations to us in hand paid, the receipt whereof is hereby acknowledged, We, Adriaan Reinhard Pieter van Heiningen, Sung-Hoon Yoon and Haixuan Zou, do hereby sell, assign and transfer unto the University of Maine System Board of Trustees, its successors or assigns, the entire right, title and interest in and to said application and invention in the United States and all countries foreign thereto, including the right of priority under the International Convention of 1883 and later modifications thereof, and to any Letters Patent to issue therefor, and we hereby request the Commissioner of Patents and Trademarks of the United States to issue to said company any Letters Patent thereon, in accordance with the terms of this assignment.

We agree to execute any and all documents required by said assignee, its successors or assigns, for the prosecution of said application, or of any division, reissue or continuation thereof, or for securing foreign patents covering said invention, and also any documents required by it, its successors or assigns, more fully to vest in it or them the title to said invention, or to any application or patent that may be filed therefor or secured thereon. We hereby irrevocably appoint the University of Maine System Board of Trustees as our attorney in fact to execute any documents on our behalf for procuring in its name and ownership patents in all countries for the invention.


Adriaan Reinhard Pieter van Heiningen

Date March 8th, 2007


Witness

_____ Date _____
Sung-Hoon Yoon

Witness

_____ Date _____
Haixuan Zou

Witness

PATENT
1-28084

ASSIGNMENT

WHEREAS, We, Adriaan Reinhard Pieter van Heiningen, of 28 College Heights, Orono, Maine 04473, Sung-Hoon Yoon, of 1000 North Donahue Dr., Apt. 14-24, Auburn, Alabama 36832, and Haixuan Zou, of 18 Sunrise Terrace, Orono, Maine 04473, have invented PROCESS OF TREATING A LIGNOCELLULOSIC MATERIAL, for which we have filed United States patent application Serial No. 11/640,820 on December 18, 2006;

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We agree to execute any and all documents required by said assignee, its successors or assigns, for the prosecution of said application, or of any division, reissue or continuation thereof, or for securing foreign patents covering said invention, and also any documents required by it, its successors or assigns, more fully to vest in it or them the title to said invention, or to any application or patent that may be filed therefor or secured thereon. We hereby irrevocably appoint the University of Maine System Board of Trustees as our attorney in fact to execute any documents on our behalf for procuring in its name and ownership patents in all countries for the invention.

_____ Date _____
Adriaan Reinhard Pieter van Heiningen

Witness

Sung-Hoon Yoon
Sung-Hoon Yoon

Date 03/06/2007

Allen J. Smith
Witness Allen J. Smith

Haixuan Zou

Date _____

Witness

PATENT
1-28084

ASSIGNMENT

WHEREAS, We, Adriaan Reinhard Pieter van Heiningen, of 28 College Heights, Orono, Maine 04473, Sung-Hoon Yoon, of 1000 North Donahuc Dr., Apt. 14-24, Auburn, Alabama 36832, and Haixuan Zou, of 18 Sunrise Terrace, Orono, Maine 04473, have invented PROCESS OF TREATING A LIGNOCELLULOSIC MATERIAL, for which we have filed United States patent application Serial No. 11/640,820 on December 18, 2006;

AND WHEREAS, the University of Maine System Board of Trustees, of 107 Maine Avenue, Bangor, Maine 04401, is desirous of acquiring the entire interest in and to said invention and any Letters Patent to issue therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the sum of One Dollar (\$1.00) and other valuable considerations to us in hand paid, the receipt whereof is hereby acknowledged, We, Adriaan Reinhard Pieter van Heiningen, Sung-Hoon Yoon and Haixuan Zou, do hereby sell, assign and transfer unto the University of Maine System Board of Trustees, its successors or assigns, the entire right, title and interest in and to said application and invention in the United States and all countries foreign thereto, including the right of priority under the International Convention of 1883 and later modifications thereof, and to any Letters Patent to issue therefor, and we hereby request the Commissioner of Patents and Trademarks of the United States to issue to said company any Letters Patent thereon, in accordance with the terms of this assignment.

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Adriaan Reinhard Pieter van Heiningen

Date _____

Witness

Sung-Hoon Yoon Date _____

Witness

Haixuan Zou

Haixuan Zou Date 3/7/2007

Betty A. Inerham 3/7/07

Witness

Attorney Docket No. 1-28084 (TEC-034009-US)

Ser. No. 11/640,820
Filed on 18 December 2006**ASSIGNMENT OF INVENTION AND OF LETTERS PATENT**

WHEREAS, I, Jianer Jiang, residing at 6892 Fieldstone Place, Mason, OH 45040, am a citizen of United States of America and have invented certain new and useful inventions or improvements relating to process of treating a lignocellulosic material for which I have executed an application for Letters Patent of the United States of America, entitled "PROCESS OF TREATING A LIGNOCELLULOSIC MATERIAL" filed on December 18, 2006, and having been afforded serial no. 11/640,820 by the United States Patent and Trademark Office; and

WHEREAS, I, Gopal C. Goyal, residing at 7838 Plumfield Court, Mason, OH 45040, am a citizen of United States of America and have invented certain new and useful inventions or improvements relating to process of treating a lignocellulosic material for which I have executed an application for Letters Patent of the United States of America, entitled "PROCESS OF TREATING A LIGNOCELLULOSIC MATERIAL" filed on December 18, 2006, and having been afforded serial no. 11/640,820 by the United States Patent and Trademark Office; and

WHEREAS, International Paper Company, a corporation of the State of New York having a place of business at 6400 Poplar Avenue, Memphis, Tennessee 38197 (hereinafter, "Assignee"), is desirous of obtaining the entire right, title and interest in and to the said inventions or improvements throughout the world, the said application for United States Letters Patent and any granted United States Letters Patent claiming priority thereto, and any applications for Letters Patent and the Letters Patent therefor in any country foreign to the United States claiming priority thereto.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell, assign and transfer and set over unto the said Assignee, its successors, legal representatives and assigns, my entire right, title and interest in the said inventions or improvements, and to the said application for Letters Patent and to all divisions, renewals and continuations thereof, and to any invention or improvement made by me which is described in said application, and to all applications for Letters Patent which may hereafter be filed for said invention or improvement, in any country or countries foreign to the United States, and to all Letters Patent which may be granted for said inventions or improvements, in any country or countries foreign to the United States, claiming priority thereto, and all extensions, renewals and reissues thereof;

AND, I HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any official of any country of countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said inventions or improvements to the said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

Attorney Docket No. 1-28084 (TEC-034009-US)

Ser. No. 11/640,820
Filed on 18 December 2006

AND, I HEREBY covenant that I have full right to convey the entire right, title and interest herein assigned, and that I have not executed and will not execute, any agreement in conflict herewith;

AND, I HEREBY authorize and request the attorney of record in the said application for Letters Patent to insert in the above right hand corner of this Assignment the serial number and filing date of the said application when officially known;

AND, I HEREBY further covenant and agree that I will communicate to the said Assignee, its successors, legal representatives and assigns, any and all facts known to me respecting said inventions or improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, reissue, continuation, and continuation-in-part applications, make all rightful oaths and generally do everything possible to aid the said Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said inventions or improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 16 day of April, 2007.

Jianer Jiang

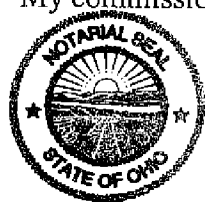
JIANER JIANG

STATE OF OH)
COUNTY OF Clermont) ss:

On this 16th day of April, 2007, before me, a Notary Public in and for the State and County aforesaid, personally appeared Jianer Jiang to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Michele Lee McRoy

Notary Public
My commission expires:



MICHELE LEE MCROY
Notary Public, State of Ohio
My Commission Expires July 24, 2011

Attorney Docket No. 1-28084 (TEC-034009-US)

Ser. No. 11/640,820
Filed on 18 December 2006

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 16th day of April, 2007

Gopal Goyal
GOPAL C. GOYAL

STATE OF OH)
COUNTY OF Clermont) ss:

On this 16th day of April, 2007, before me, a Notary Public in and for the State and County aforesaid, personally appeared Gopal C. Goyal to me known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and acknowledged the same to be his/her free act and deed.

Michele Lee McRoy
Notary Public
My commission expires:



MICHELE LEE MCROY
Notary Public, State of Ohio
My Commission Expires July 24, 2011