



03-10-2003



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(Rev. 10/02)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

3-3-03

John A. Cuculo  
Kazuyuki Hattori

2. Name and address of receiving party(ies)

Name: North Carolina State UniversityInternal Address: Office of Technology TransferAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other \_\_\_\_\_

Street Address: Campus Box 8210City: Raleigh State: NC Zip: 27695-8210Execution Date: January 27, 2003; February 7, 2003Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

10/283,505

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Richard E. JenkinsInternal Address: Jenkins & Wilson, P.A.Suite 1400 University TowerStreet Address: 3100 Tower BoulevardCity: Durham State: NC Zip: 277076. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

50-0426

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Richard E. Jenkins  
Name of Person SigningRichard E. Jenkins  
Signature3-3-03  
DateTotal number of pages including cover sheet, attachments, and documents: 4

Mail documents to be recorded with required cover sheet information to:

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**PATENT**  
**REEL: 013812 FRAME: 0873**

ASSIGNMENT

WHEREAS, we, John A. Cuculo, City of Raleigh, State of North Carolina; United States of America; and Kazuyuki Hattori, City of Kitami, Japan, (hereinafter "Assignors"), have invented certain new and useful improvements in CELLULOSE SOLVENT COMPOSITIONS AND METHODS OF MAKING AND EMPLOYING SAME for which a U.S. Patent Application was filed on October 30, 2002 as Serial No. 10/283,505.

AND, WHEREAS, North Carolina State University, a non-profit organization located at Raleigh, North Carolina (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have sold and by these presents do hereby sell, assign, transfer and convey unto the said Assignee, its successors and assigns, their entire right, title and interest in and to the said invention and application, and in and to any and all foreign patent applications filed on the invention, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with their right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said Assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignors if this assignment and sale had not been made.

Assignors hereby request that said Letters Patent be issued in accordance with this assignment.

Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess full title to the invention and

application above-mentioned, and that they have the unencumbered right and authority to make this assignment.

Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 27<sup>th</sup> day of January 2003.

John A. Cuculo  
John A. Cuculo

Witnessed by:

Kathy Brook 1/27/03  
Name Date

R. Chantigny 1/27/03  
Name Date

\*\*\*\*\*

Executed this \_\_\_\_\_ day of \_\_\_\_\_ 200\_\_.

\_\_\_\_\_  
Kazuyuki Hattori

Witnessed by:

\_\_\_\_\_  
Name Date

\_\_\_\_\_  
Name Date

application above-mentioned, and that they have the unencumbered right and authority to make this assignment.

Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the said invention in all countries and to vest in the Assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 27<sup>th</sup> day of January 2003.

John A. Cuculo  
John A. Cuculo

Witnessed by:

Kathy Brook 1/27/03  
Name Date

R. Chantzy 1/27/03  
Name Date

\*\*\*\*\*

Executed this 7<sup>th</sup> day of February 2003.

K. Hattori  
Kazuyuki Hattori

Witnessed by:

Bing Chen 2/7/03  
Name Date

Emiko Alve 2/7/03  
Name Date