

05-09-2006

U.S. Department of COMMERCE
 United States Patent and Trademark Office



103234160

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

1. Name of conveying party(ies):

Charles E. Wyman
 Todd A. Lloyd

Additional name of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

Execution Date(s) 3/29/06 and 3/16/2006

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: The Trustees of Dartmouth College

Internal Address: 11 Rope Ferry Road

Room 6210

Street Address: 11 Rope Ferry Road

Room 6210

City: Hanover

State: New Hampshire

Country: US Zip: 03755

Additional Name(s) & address(es) attached? ☐ Yes ☒ No

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

☐ This document is being filed together with a new application.

A. Patent Application No.(s)
11/293,639

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Dan Cleveland, Jr.

Internal Address: LATHROP & GAGE LC

4845 Pearl East Circle, Suite 300

Street Address: LATHROP & GAGE LC

4845 Pearl East Circle, Suite 300

City: Boulder

State: Colorado Zip: 80301

Phone Number: (720) 931-3012

Fax Number: (720) 931-3001

Email Address: dcleveland@lathropgage.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☒ 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 12-0600

Authorized User Name Dan Cleveland, Jr.

9. Signature :

Signature

May 1, 2006

Date

Dan Cleveland, Jr.

Total number of pages including cover sheet, attachments, and documents 4

Name of Person Signing

05/05/2006 DBYRNE

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01 FC:0021

40.00 DA

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, We, Charles E. Wyman of 98 Mystic Drive, Norwich, Vermont 05055, a citizen of the United States of America and Todd A. Lloyd of 24 Route 12, Hartland, Vermont 05048, a citizen of the United States of America have invented certain new and useful improvements in a

REMOVAL OF MINERALS FROM CELLULOSIC BIOMASS

U.S. Patent Application Serial No. 11/293,639, filed December 2, 2005
for which we are about to make or have made application for Letters Patent of the United States; and

WHEREAS, The Trustees of Dartmouth College, a Nonprofit Corporation Of Higher Education (103c) duly organized under the laws of the State of New Hampshire and having its principal place of business at 11 Rope Ferry Road, Room 6210, Hanover, New Hampshire 03755, is desirous of acquiring an interest in, to and under said invention, said application, and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto.

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, Charles E. Wyman and Todd A. Lloyd, have sold, assigned and transferred, and by these presents to sell, assign and transfer unto the said The Trustees of Dartmouth College, the full and exclusive right, title and interest, throughout the world, in, to and under the following:

- (a) said invention as fully set forth and described in the specification prepared, and executed by us preparatory to obtaining Letters Patent of the United States therefor;
- (b) said application;
- (c) any and all refilings, divisions, continuations and continuations-in-part of said application;
- (d) any and all Letters Patent of the United States of America which may issue from said application, refilings, divisions, continuations and continuations-in-part;
- (e) any and all reissues and reexaminations of said Letters Patent of the United States of America;

- (f) any and all applications for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America;
- (g) any and all refilings, divisions and continuations of said foreign-filed applications;
- (h) all claims, causes of action and damages for past infringement, if any, of said application;
- (i) any and all Letters Patent of countries foreign to the United States of America which may issue from the said foreign-filed applications, refilings, divisions and continuations; and
- (j) any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America.

ALL of the above shall be held and enjoyed by said The Trustees of Dartmouth College, for its own use and benefit, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent in accordance with this Assignment.

3-29-06
Date:

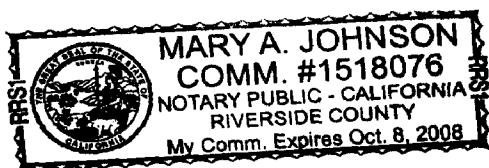
Charles E. Wyman
Charles E. Wyman

STATE OF CALIFORNIA :
COUNTY OF RIVERSIDE : SS:

On this 29th day of March, 2006, before me personally appeared Charles E. Wyman to me known to be the person described in and who executed the foregoing instrument as his free act and deed.

In witness whereof, I have hereunto set my hand and affixed my notarial seal the day and year last above written.

Mary A. Johnson
Notary Public



My commission expires:
(SEAL)

16 Mar 06
Date:

Todd A. Lloyd
Todd A. Lloyd

STATE OF :
COUNTY OF : SS:

On this 16th day of March, 2006, before me personally
appeared Todd A. Lloyd to me known to be the person described in and who executed the
foregoing instrument as his free act and deed.

In witness whereof, I have hereunto set my hand and affixed my notarial seal the
day and year last above written.

Susan F. Clark
Notary Public

My commission expires:
(SEAL)

SUSAN F. CLARK, Notary Public
My Commission Expires December 4, 2007