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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):  
KAREN MILLICENT RAFFERTY, Legal  
Representative of ANDREW JAMES  
RAFFERTY (Deceased)  
Additional name(s) of conveying party(ies) attached?  Yes  No

2. Name and address of receiving party(ies)  
Name: LIGNOTECH DEVELOPMENTS LIMITED  
Internal Address: \_\_\_\_\_  
c/o Wood Rivers Hawes and Co. Ltd.  
Level 6, 79-83 Hereford Street  
Street Address: \_\_\_\_\_  
Christchurch, New Zealand  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Additional name(s) & address(es) attached?  Yes  No

3. Nature of conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other \_\_\_\_\_  
Execution Date: April 15, 2004

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: 4/15/2004  
A. Patent Application No.(s) \_\_\_\_\_  
B. Patent No.(s) \_\_\_\_\_  
Additional numbers attached?  Yes  No

6. Total number of applications and patents involved:  1

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: Chester E. Flavin, Esq.  
Internal Address: \_\_\_\_\_  
McCORMICK, PAULDING & HUBER LLP  
Street Address: 1350 Main Street, 5th Floor  
City: Springfield State: MA Zip: 01103/1406

7. Total fee (37 CFR 3.41).....\$ 40.00  
 Enclosed  
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8. Deposit account number:  
13-0235

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9. Signature.  
CHESTER E. FLAVIN, ESQ.  
Name of Person Signing

*Chester E. Flavin*  
Signature  
May 4, 2004  
Date

Total 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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**ASSIGNMENT OF INVENTION BY ADMINISTRATOR(TRIX),  
EXECUTOR(TRIX) OR LEGAL REPRESENTATIVE(S)**

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

**ASSIGNOR:**

By administrator(trix), executor(trix) or legal representative of inventor or person who owns the invention

Karen Millicent RAFFERTY  
(type or print name of administrator(trix), executor(trix) or legal representative)

Andrew James RAFFERTY

Inventor or person on whose behalf above person(s) are signing

26 Proctor Street, Christchurch 8002, NEW ZEALAND

Address(es) of person(s) signing

NEW ZEALAND

Nationality(ies) of person(s) signing

(if assignment is on behalf of person to whom invention was previously assigned and this was recorded in PTO, add the following):

Recorded on \_\_\_\_\_

Reel \_\_\_\_\_

Frame \_\_\_\_\_

hereby sells, assigns and transfers to

**ASSIGNEE:**

LIGNOTECH DEVELOPMENTS  
LIMITED  
(type of print name of Assignee(s))

C/o Wood Rivers Hawes and Co Ltd  
Address

Level 6, 79-83 Hereford Street,  
Christchurch, New Zealand

NEW ZEALAND  
Nationality

and the successors, assigns and legal representatives of the ASSIGNEE

check   √   the entire right, title and interest  
one            an undivided \_\_\_\_\_ percent (\_\_\_\_%) interest  
for the United States and its territorial possessions.

(check the following, if foreign rights are also to be assigned)

           and in all foreign countries, including all rights to  
claim priority, in and to any and all improvements  
which are disclosed in the invention entitled:

PROCESSING OF LIGNO-CELLULOSE MATERIALS

Title of Invention

Name of Inventor(s): Andrew James RAFFERTY

(Check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in (37 C.F.R. § 3.21)

- (a)   √   U.S. patent application executed on even date herewith
- (b)            U.S. patent application executed on \_\_\_\_\_
- (c)            U.S. provisional application naming the above  
inventor(s) for the above-entitled invention:  
           Express Mail Label No. \_\_\_\_\_  
Mailed: \_\_\_\_\_
- (d)            U.S. patent application No. \_\_\_\_\_  
filed on \_\_\_\_\_
- (e)            International application No. \_\_\_\_\_  
filed on \_\_\_\_\_
- (f)            U.S. Patent No. \_\_\_\_\_ issued \_\_\_\_\_  
           A change of address to which correspondence  
is to be sent regarding patent maintenance fees  
is being sent separately.
- (g)            and any legal equivalent thereof in a foreign country,  
including the right to claim priority

and, in and to, all Letters Patent to be obtained for said Invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

PROOF OF AUTHORITY to act on behalf of the deceased/incapacitated inventor is submitted herewith.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this 15<sup>r</sup> day of April, 2004.  
Date of Signing

Warning: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

K M Rafferty  
(Signature of administrator(trix),  
executor(trix), or legal representative)