

01-26-1999



MRD 1-2699

000900006

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
 Vincent L. Chiang,
 Daniel T. Carraway and
 Richard H. Smeltzer

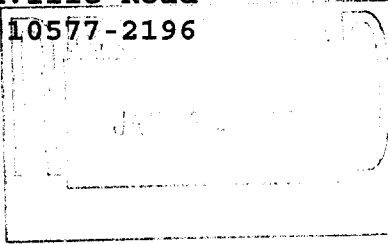
Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Change of Name Other
 Security Agreement

Execution Date: 2/19/98, 2/9/98 & 2/13/98

2. Name and address of receiving party(ies):
 Name:
INTERNATIONAL PAPER COMPANY

Street Address:
**Two Manhattanville Road
 Purchase, NY 10577-2196**



4. Application number(s) or patent (numbers):
 If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s).
 60/033,381
 08/991,677

B. Patent No(s).
 Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
 Mark S. Graham, Esq.
 LUEDEKA, NEELY & GRAHAM, P.C.
 P. O. Box 1871
 Knoxville, TN 37901

6. Total number of applications and patents involved:
2

7. Total fee (37 CFR 3.41).....\$ **80.00**
 Enclosed
 Please charge to deposit account any missing or additional fee

8. Deposit Account No. **12-2355**

DO NOT USE THIS SPACE

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.

80E
120E

Mark S. Graham
Name of Person Signing

Mark S. Graham
Signature

January 21, 1999
Date

Total number of pages including cover sheet: **[3]**

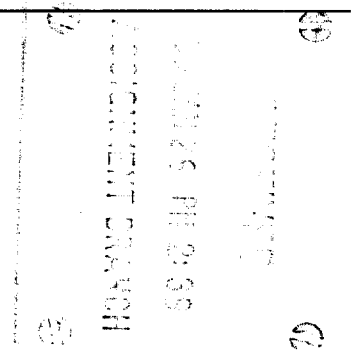
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Express Mail Label No. EM 473 566 937 US

Date of Deposit: January 21, 1999

01/26/1999 TTON11 00000162 60033381

01 FC:581 80.00 OP
02 FC:584 120.00 OP



ASSIGNMENT

We, Vincent L. Chiang, a citizen of the United States, having a mailing address of 1104 Birch Street, Hancock, Michigan 49930, Daniel T. Carraway, a citizen of the United States, having a mailing address of 1910 Rich Street, Bainbridge, Georgia 31717, and Richard H. Smeltzer, a citizen of the United States, having a mailing address of 5036 Valley Farm Road, Tallahassee, Florida 32303, for good and valuable consideration, receipt of which is hereby acknowledged, have assigned and do hereby assign to INTERNATIONAL PAPER COMPANY, a New York corporation, having its principal place of business at Two Manhattanville Road, Purchase, New York 10577-2196, its successors, assigns and legal representatives, the entire right, title and interest throughout the world in and to all subject matter invented by us and disclosed in the applications identified below:

Title: PRODUCTION OF SYRINGYL LIGNIN IN GYMNOSPERMS

Serial No.: 60/033,381 Filing Date: December 16, 1996

Title: PRODUCTION OF SYRINGYL LIGNIN IN GYMNOSPERMS

Serial No. 08/991,677 Filing Date: December 16, 1997

and in and to all Letters Patent and all Convention and treaty rights of all kinds, in all countries throughout the world, for all such subject matter. We agree to sign all papers necessary to secure all said Letters Patent to the above assignee in accordance with the Assignment.

2-19-98

Date of Execution of Assignment

2-9-98

Date of Execution of Assignment

2-13-98

Date of Execution of Assignment

Vincent L. Chiang
Vincent L. Chiang

Daniel T. Carraway
Daniel T. Carraway

Richard H. Smeltzer
Richard H. Smeltzer

STATE OF MICHIGAN)
)
COUNTY OF HOUGHTON)

I hereby certify that before me appeared Vincent L. Chiang, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing assignment was duly signed, sealed and delivered by him on the date appearing at the foot thereof.

Date: Feb 19, 1998

Cindee M. Molnar

Notary Public

My Commission Expires:

February 24, 2002

GINDEE M. MOLNAR
NOTARY PUBLIC - HOUGHTON COUNTY, MI
MY COMMISSION EXP. 02/24/2002

STATE OF GEORGIA)
)
COUNTY OF DECATUR)

I hereby certify that before me appeared Daniel T. Carraway, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing assignment was duly signed, sealed and delivered by him on the date appearing at the foot thereof.

Date: 2/9/98

Wynne M. Stanley

Notary Public

My Commission Expires:

MY COMMISSION EXPIRES FEB. 25, 2001

STATE OF FLORIDA)
)
COUNTY OF LEON)

I hereby certify that before me appeared Richard H. Smeltzer, personally known by me, who then and there was duly sworn by me, and under oath acknowledged that the foregoing assignment was duly signed, sealed and delivered by him on the date appearing at the foot thereof.

Date: 2-13-98

Michelle L. Colvin

Notary Public

My Commission Expires:

Produced FLDL 5543-745-40-294

Michelle L. Colvin
My Commission CC851473
Expires May 29, 2001

