

11-30-2004

Form PTO-1595 (Rev. 03/01)

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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): Ronald Peter van Heek, Gilles Marcel Dorris, Victor Charles Uloth, Natalie Page, Thomas Qiuxiong Hu, and Denys Francois Leclerc

11.19.04

2. Name and address of receiving party(ies) Name: PULP AND PAPER RESEARCH INSTITUTE OF CANADA Internal Address:

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

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

Street Address: 570 St. John's Boulevard City: Pointe Claire State: Quebec Zip: H9R 3J9

Execution Date: Feb. 13, 14, 15, 18, 2002

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s): 26991527

If this document is being filed together with a new application, the execution date of the application is: Oct. 19, 20,

A. Patent Application No.(s) B. Patent No.(s) 25, 2004

Additional numbers attached? Yes No

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

Name: OGILVY RENAULT

Internal Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41).....\$ 40.00

Enclosed This fee has been included on the Fee Transmittal. Authorized to be charged to deposit account

8. Deposit account number:

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

Street Address: 1981 McGill College Ave., Suite 1600

City: Montreal State: Quebec Zip: H3A 2Y3

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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.

Kevin P. Murphy (26,674)

Signature

November 18, 2004

Name of Person Signing

Signature

Date

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

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

PATENT REEL: 016017 FRAME: 0011

# ASSIGNMENT OF INVENTION

## UNIVERSAL

WHEREAS, I/We Ronald Peter van Heek; Gilles Marcel Dorris; Victor Charles Uloth; Natalie Pagé; Thomas Qiuxiong Hu and Denys François Leclerc of 2033 East Bittner Rd., Prince George, B.C. V2N 6T3; 206 Byron, Vimont, Laval, Quebec H7K 1R5; 3940 Naismith Crescent, Prince George, B.C. V2N 5Y6; 2313 boul. des Oiseaux, Laval, Quebec H7L 6A7, 5115 Chambers Street, Vancouver, BC V5R 3L8 and #1-3586 Rainier Place, Vancouver, B.C. V5S 4T3, all of Canada, have invented certain improvements in **IMPROVED KRAFT PULP YIELD BY HEAT TREATMENT OF POLYSULPHIDE LIQUORS GENERATED BY OXIDATION** as fully described and claimed in the application for a patent for such invention and all my/our corresponding right, title and interest in and to any patent which may issue therefor.

WHEREAS, PULP AND PAPER RESEARCH INSTITUTE OF CANADA of 570 St. John's Boulevard, Pointe Claire, Quebec, Canada H9R 3J9, (hereinafter referred to as the Assignee), is desirous of acquiring my entire right, title and interest in and to said invention or inventions and in and to any and all Patents to be obtained therefore;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged, we have and by these presents do hereby sell, assign and transfer unto said Assignee, its successors and assigns, my entire right, title and interest in and to said invention or inventions, as described in the aforesaid International Application, in and to any and all Patent Applications filed in any country based thereon, including the U.S. and Canadian Applications, including the right to file Applications under the provisions of the International Convention and the Patent Cooperation Treaty; also our entire right in the invention or inventions in the USA or any foreign country; also our entire right, title and interest in and to any and all Patents, Reissues or extensions thereof to be obtained in the USA, Canada or any foreign country upon said invention or inventions, and any divisional, continuation, continuation-in-part or substitute Application(s) which may be filed upon said invention or inventions, in any country; and we hereby authorize and request the issuing authority to issue any and all Patents on said Application or Applications to said Assignee.

We further agree without any payment by said Assignee other than expenses incurred by the undersigned, to communicate to said Assignee, its representatives or agents, any facts relating to said invention or inventions, including evidence for interference purposes or for the proceedings, whenever requested; testify in any interference, litigation or other proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon my heirs, legal representatives, administrators and assigns.

Le(s) soussigné(s) désire(nt) que la présente cession soit en anglais.  
The undersigned request(s) that the present Assignment be in English.

EXECUTED this 13 day of February, 2002, at

Prince George, BC

Brian Richardson  
Witness

Ronald Peter van Heek  
Ronald Peter van Heek

EXECUTED this 15 day of February, 2002, at

Pointe Claire Quebec Canada

Marle Roy  
Witness

Gilles Dorris  
Gilles Marcel Dorris

EXECUTED this 13 day of February, 2002, at

Prince George, BC

Brian Richardson  
Witness

Victor Charles Uloth  
Victor Charles Uloth

EXECUTED this 18 day of February, 2002, at

Pointe Claire Quebec Canada

Marle Roy  
Witness

Natalie Pagé  
Natalie Pagé

EXECUTED this 14<sup>th</sup> day of February, 2002, at

Vancouver, BC

[Signature]  
Witness

Thomas Qiuxiong Hu  
Thomas Qiuxiong Hu

EXECUTED this 14<sup>th</sup> day of February, 2002, at

Vancouver BC

[Signature]  
Witness

Denys François Leclerc  
Denys François Leclerc