

02-09-2004



To the Honorable Commissioner

102664416

...ed original documents or copy thereof.

1. Name of conveying party(ies):

WITTWER, Carl T.
REED, Gudrun
ZHOU, Luming

2-5-04

2. Name and address of receiving party(ies)

Name: UNIVERSITY OF UTAH

Internal Address: _____

Street Address: _____

615 Arapeen Drive, Suite 110

City: Salt Lake City State: UT Zip: 84108

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 01/27/04

Additional 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) PCT/US03/33429

B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: BARNES & THORNBURG

Internal Address: _____

Street Address: _____

11 South Meridian Street

City: Indianapolis State: IN Zip: 46204

6. Total number of applications and patents involved: 1

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

- ☒ Enclosed
☒ Authorized to be charged to deposit account
for deficit or overpayment

8. Deposit account number:

10-0435

DO NOT USE THIS SPACE

9. Signature.

Jill T. POWLICK

Name of Person Signing

Signature

February 2, 2004

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

02/06/2004 MGETACHE 00000061 PCT/US03/33429

01 FC:8021

40.00 OP

PATENT
REEL: 014949 FRAME: 0277

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned,

Name(s)
of Inventor(s) Carl T. WITWER
Gudrun REED, and
Luming ZHOU

Check applicable
boxes and enter serial
number and date
if available

maker(s) of an invention which is the subject of a United States Provisional Patent Application identified as Serial No. _____ with a filing date of _____ and/or a ☒ PCT International Application filed October 22, 2003, entitled

Title of
Application AMPLICON MELTING ANALYSIS WITH SATURATION DYES
hereinafter (the "Application(s)")

the undersigned hereby sell(s), assign(s), and set(s) over to

Name of
Assignee UNIVERSITY OF UTAH
Address of
principal 615 Arapeen Drive, Suite 110
place of Salt Lake City, Utah 84108
business

Insert State of
Incorporation
(if applicable) or
"Not Applicable"

a corporation of UTAH

(hereinafter designated as the Assignee) their entire right, title and interest in, to and under the Application(s), including all priority rights for the United States and other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada and Mexico, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application(s) and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the Application(s) in the United States and counterpart applications in foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such Applications, and also to execute separate assignments in connection with such Applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the Application(s), U.S. national counterparts thereof, or continuation(s), division(s), reissue(s), reexamination(s) thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

PROVISIONAL/PCT PATENT APPLICATION
ASSIGNMENT TO BUSINESS CONCERN

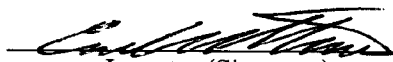
The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting or following from said Application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have executed this assignment at Salt Lake City, Utah,
this 27th day of January, 2004.

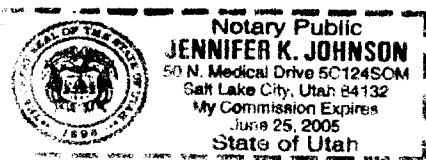
Outside the USA: _____
Witnesses are required when acknowledgment before a Notary Public is not feasible. _____
Witness _____
Witness _____

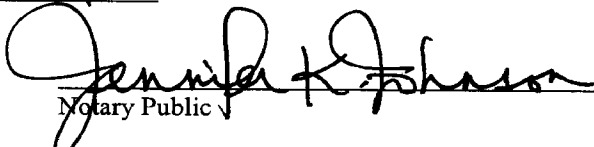

Inventor (Signature)
Carl T. WITTWER
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF UTAH }
COUNTY OF Salt Lake } SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal
this 27th day of January, 2004.




Notary Public
Jennifer K. Johnson
Printed Name

My Commission Expires: 6/25/2005

Resident of Salt Lake County

IN WITNESS WHEREOF, I have executed this assignment at Salt Lake City, Utah,
this 27th day of January, 2004.

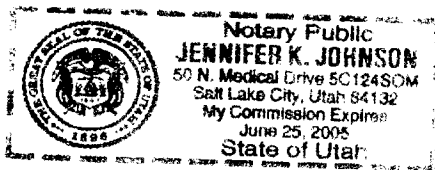
Outside the USA: _____
Witnesses are required when acknowledgment before a Notary Public is not feasible.
Witness _____
Witness _____

[Signature]
Inventor (Signature)
Gudrun REED
Inventor (Printed Name)

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Jennifer K. Johnson
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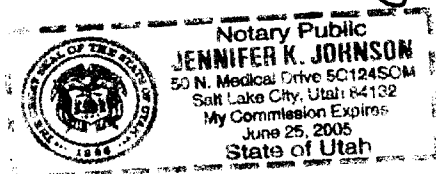
Outside the USA: _____
Witnesses are required when acknowledgment before a Notary Public is not feasible.
Witness _____
Witness _____

[Signature]
Inventor (Signature)
Luming ZHOU
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF UTAH }
COUNTY OF Salt Lake } SS:

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this 27th day of January, 2004.



Jennifer K. Johnson
Notary Public
Jennifer K Johnson
Printed Name

My Commission Expires: 6/25/2005

Resident of Salt Lake County

Application Serial No.: PCT/US03/ 33429 Filed October 22, 2003

INDS02 MJE 618565v1

RECORDED: 02/05/2004

PATENT
REEL: 014949 FRAME: 0280