

PATENT ASSIGNMENT

Electronic Version v1.1  
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Matthew J. McGinniss</td><td>05/13/2005</td></tr><tr><td>Arlene M. Buller</td><td>05/13/2005</td></tr><tr><td>Franklin Quan</td><td>05/13/2005</td></tr><tr><td>Mei Peng</td><td>05/13/2005</td></tr><tr><td>Weimin Sun</td><td>05/13/2005</td></tr></tbody></table>		Name	Execution Date	Matthew J. McGinniss	05/13/2005	Arlene M. Buller	05/13/2005	Franklin Quan	05/13/2005	Mei Peng	05/13/2005	Weimin Sun	05/13/2005
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RECEIVING PARTY DATA													
<table border="1"><tr><td>Name:</td><td>Quest Diagnostics Investments Incorporated</td></tr><tr><td>Street Address:</td><td>300 Delaware Avenue</td></tr><tr><td>City:</td><td>Wilmington</td></tr><tr><td>State/Country:</td><td>DELAWARE</td></tr><tr><td>Postal Code:</td><td>19899</td></tr></table>		Name:	Quest Diagnostics Investments Incorporated	Street Address:	300 Delaware Avenue	City:	Wilmington	State/Country:	DELAWARE	Postal Code:	19899		
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PROPERTY NUMBERS Total: 1													
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>13290814</td></tr></tbody></table>		Property Type	Number	Application Number:	13290814								
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Application Number:	13290814												
CORRESPONDENCE DATA													
Fax Number: (858)792-6773													
Phone: 858-847-6700													
Email: PTOMailSanDiegoNorth@foley.com													
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name: Foley & Lardner LLP													
Address Line 1: PO Box 80278													
Address Line 4: San Diego, CALIFORNIA 92138													
ATTORNEY DOCKET NUMBER:	034827-3205												
NAME OF SUBMITTER:	Anthony C. Kuhlmann												

OP \$40.00 13290814

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PATENT  
REEL: 027217 FRAME: 0704

**Total Attachments: 6**

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FORM PTO-1595 (modified)

U.S. DEPARTMENT OF COMMERCE

(Rev 6-93)

Patent and Trademark Office

# RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the United States Patent and Trademark Office: Please record the attached original documents or copies thereof.

1. Name of conveying party(ies):

**Matthew J. McGinniss  
Arlene M. Buller  
Franklin Quan  
Mei Peng  
Weimin Sun**

Additional conveying party(ies) **NO**

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

**Quest Diagnostics Investments Incorporated  
300 Delaware Avenue  
Wilmington, DE 19899**

Additional name(s) & address(es) attached? **NO**

3. Nature of conveyance:

**ASSIGNMENT**

Execution Date:

**5/13/2005; 5/13/2005; 5/13/2005; 5/13/2005; and  
5/13/2005, respectively**

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

If this is being filed together with a new application, the execution date of the application is:

A. Patent Application Number(s):

**13/290,814**

B. Patent Number(s):

Additional numbers attached? **NO**

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

**Anthony C. Kuhlmann  
FOLEY & LARDNER LLP  
P.O. Box 80278  
San Diego, California 92138-0278**

6. Total number of applications/patents involved: **1**7. Total fee (37 C.F.R. § 3.41): **\$40.00**

Check Enclosed

☒ Authorized to be charged to credit card

Authorized to be charged to deposit account

8. Payment Information

a. Credit Card Last 4 Numbers **9679**  
Expiration Date **9/30/2012**

b. Deposit account number **19-0741**  
Authorized User Name **Anthony C. Kuhlmann**

**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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.*

**Anthony C. Kuhlmann**

Name of person signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **6**

**ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Quest Diagnostics Investments Incorporated  
300 Delaware Avenue  
Wilmington, DE 19899

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

**CYSTIC FIBROSIS GENE MUTATIONS**

as set forth in this United States Patent Application

*check one*      ☐ executed concurrently herewith,  
                    ☐ executed on \_\_\_\_\_,  
                    ☒ Serial No. 11/074,903    Filed 3/7/2005

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

Executed this 13<sup>th</sup> day of May, 2005.

*Matthew J. McGinniss*

MATTHEW J. MCGINNISS

State of California  
County of Orange

On this 13<sup>th</sup> day of May, 2005, before me, a notary public in and for said county, appeared MATTHEW J. MCGINNISS, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/~~she~~ acknowledged that he/~~she~~ signed, sealed, and delivered the said instrument as his/~~her~~ free and voluntary act for the uses and purposes therein set forth.



*Shawna Spink*  
Notary Public

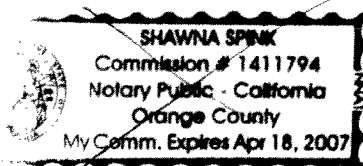
My Commission Expires: April 18, 2007

Executed this 13<sup>th</sup> day of May, 2005

*Arlene M. Buller*  
ARLENE M. BULLER

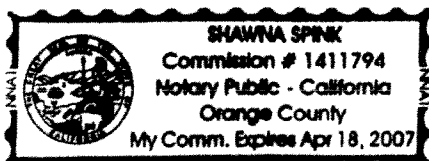
State of California  
County of Orange

On this 13<sup>th</sup> day of May, 2005, before me, a notary public in and for said county, appeared ARLENE M. BULLER, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/~~she~~ acknowledged that he/~~she~~ signed, sealed, and delivered the said instrument as his/~~her~~ free and voluntary act for the uses and purposes therein set forth.



*Shawna Spink*  
Notary Public

My Commission Expires: April 18, 2007

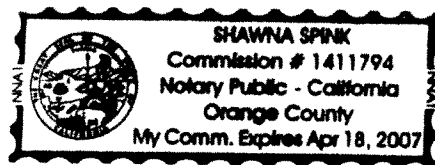


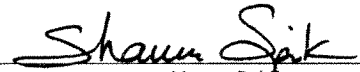
Executed this 13 day of May, 2005

  
FRANKLIN QUAN

State of California )  
County of Orange )ss.

On this 13<sup>th</sup> day of May, 2005, before me, a notary public in and for said county, appeared FRANKLIN QUAN, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/~~she~~ acknowledged that he/~~she~~ signed, sealed, and delivered the said instrument as his/~~her~~ free and voluntary act for the uses and purposes therein set forth.



  
Notary Public

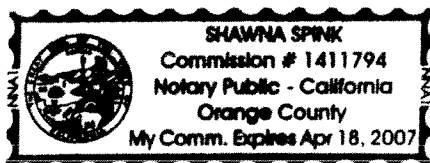
My Commission Expires: April 18, 2007

Executed this 13 day of May, 2005.

  
MEI PENG

State of California )  
County of Orange )ss.

On this 13<sup>th</sup> day of May, 2005, before me, a notary public in and for said county, appeared MEI PENG, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/~~she~~ acknowledged that he/~~she~~ signed, sealed, and delivered the said instrument as his/~~her~~ free and voluntary act for the uses and purposes therein set forth.



  
Notary Public

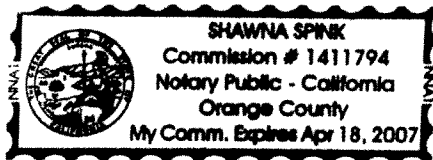
My Commission Expires: April 18, 2007


Executed this 13<sup>th</sup> day of May, 2005.

  
\_\_\_\_\_  
WEIMIN SUN

State of California )  
County of Orange )ss.

On this 13<sup>th</sup> day of May, 2005, before me, a notary public in and for said county, appeared WEIMIN SUN, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and ~~he~~she acknowledged that ~~he~~she signed, sealed, and delivered the said instrument as ~~his~~her free and voluntary act for the uses and purposes therein set forth.



  
\_\_\_\_\_  
Notary Public

My Commission Expires: April 18, 2007