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U.S. Patent and Trademark Office**Attorney's Docket No. 033327-009**

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

**1. Name of conveying party(ies):**

Lloyd G. Mitchell

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance:**

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

Execution Date: January 30, 2003**2. Name and address of receiving party(ies):**

Name: Veri-Q, Inc.

Address:  
840 Main Campus Drive  
Suite 3500  
Raleigh, NC 27606Additional name(s) & addresses 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)  
10/746,430

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address of party to whom correspondence concerning document should be mailed:**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Burns, Doane, Swecker & Mathis, L.L.P.  
Customer Number 2 1 8 3 9  
P.O. Box 1404  
Alexandria, Virginia 22313-1404**6. Total number of applications and patents involved:**

1

7. Total fee (37 CFR 3.41).....\$ \$40.00 (8021)

- ☐ Enclosed  
☒ Authorized to be charged to deposit account  
☐ Credit card. Form PTO-2038 is attached.

**8. Deposit account number:**02-4800

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**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.*Melissa M. Hayworth  
Name of Person Signing45,774  
Reg. No.  
SignatureMay 17, 2005  
DateTotal number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:  
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**PATENT**  
**REEL: 016248 FRAME: 0741**

CH \$40.00 024800 10746430

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Attorney's Docket No.

## ASSIGNMENT

THIS ASSIGNMENT, by LLOYD G. MITCHELL, residing at 4519 GRETNA STREET, BETHESDA, MARYLAND 20814, U.S.A. (hereinafter referred to as "the Assignor"), witnesseth:

WHEREAS, the Assignor has invented certain new and useful improvements set forth in the following applications for Letters Patent:

International Patent Application No. PCT/US02/20418, entitled "METHODS AND COMPOSITIONS FOR DETERMINING THE PURITY OF AND PURIFYING CHEMICALLY SYNTHESIZED NUCLEIC ACIDS", attorney docket number 033327-004, filed on June 28, 2002;

United States Provisional Patent Application No. 60/302,153, entitled "METHODS AND COMPOSITIONS FOR DETERMINING THE PURITY OF CHEMICALLY SYNTHESIZED NUCLEIC ACIDS", attorney docket number 033327-002, filed on June 29, 2001;

WHEREAS, VERI-Q, INC., a corporation duly organized under and pursuant to the laws of DELAWARE, and having its principal place of business at 840 MAIN CAMPUS DRIVE, SUITE 3500, RALEIGH, NORTH CAROLINA 27606, U.S.A. (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said applications, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned invention vested in Assignor, the right to file applications on said invention and the entire right, title, and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications vested in Assignor, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

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AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, to the extent the Assignor is the owner of any right, title, and interest in and to the inventions set forth in said patents and said applications, including provisional applications, above-mentioned, are unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assignor will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any applications claiming priority to said applications, divisions, continuations, or continuations-in-part of any applications for Letters Patent or Patents, or any reissues or extensions of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignor hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 1/30/03 Signature of Assignor Lloyd G. Mitchell, MD  
Lloyd G. Mitchell