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103514586

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Eric A. Holwitt, Jonathan L. Kiel, Veronica Franz Sorola

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 7 July, 2008

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
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2. Name and address of receiving party(ies)

Name: United States, as represented by the Secretary of the

Internal Address: Air Force

Street Address: AFMCLO/JAZ, Bldg. 11, Room 100,

2240 B. Street

City: Wright-Patterson AFB

State: OH

Country: USA Zip: 45433-7109

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

4. Application or patent number(s):

☒ This document is being filed together with a new application.

A. Patent Application No.(s)

Docket No. AFD 894

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Paul D. Heydon

Internal Address: _____

Street Address: AFMCLO/JAZ, Bldg. 11, Room 100,

2240 B. Street

City: Wright-Patterson AFB

State: OH Zip: 45433-7109

Phone Number: (937) 904-5026

Fax Number: (937) 255-3733

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ _____

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number AF 01-0465

Authorized User Name Dept. of the Air Force

9. Signature:

Paul D. Heydon
Signature

Paul D. Heydon

Name of Person Signing

07/17/2008 DBYRNE 00000000 10465 12217333

Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS We, ^{h p k} Eric A. Holwitt, Jonathan L. Kiel and Veronica Franz Sorola, while employed by the United States of America, made an invention entitled USING DNA APTAMERS AND QUANTUM DOTS FOR THE DETECTION OF PROTEINS OR OTHER TARGETS, described in an application for Letters Patent of the United States executed by us on the 7 day of July, 2008, the 7 day of July, 2008, and the 7 day of July, 2008, respectively;

WHEREAS, the conditions under which said invention was made are such as to entitle the Government under paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights; and

NOW, THEREFORE, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, We, Eric A. Holwitt, Jonathan L. Kiel and Veronica Franz Sorola, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto the Government of the United States, as represented by the Secretary of the Air Force, our entire right, title and interest throughout the world in and to the aforesaid joint invention described in the aforesaid application for Letters Patent of the United States, and any and all applications for patent and patents in any and all countries foreign to the United States, and all Letters Patent issuing thereon and any continuations, continuations-in-part, divisions, and reissues or extensions thereof; and all priority resulting from the filing of the aforesaid application for patent in the United States; We hereby authorize and request any official whose duty it is to issue patents to issue any patent thereon to the United States of America, as represented by the Secretary of the Air Force, and his successors, as assignee of our entire right, title and interest in and to the same, for the sole use for the full term or terms for which said patents and any continuations, continuations-in-part, divisions and reissues or extensions thereof are, or may be, granted as fully and entirely as the same would have been held by us had this Assignment not been made; and We hereby agree to execute any and all applications for Letters Patent, and to furnish all data and documents and to execute any papers which may be necessary or convenient for the preparation, filing, or prosecution of such applications, except it is understood that We shall not be subject to any out-of-pocket expense relative to such action.

Eric A. Holwitt

ERIC A. HOLWITT

SIGNED and acknowledged before me this 7 day of July, 2008, at Brooks City Base, County of Bexar, and State of TX.



Mary Helen Vasquez
Notary Public

Jonathan L. Kiel

JONATHAN L. KIEL

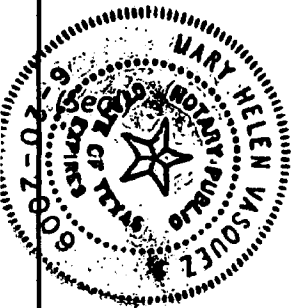
SIGNED and acknowledged before me this 7 day of July, 2008, at Brooks City Base, County of Bexar, and State of TX.



Mary Helen Vasquez
Notary Public

Veronica Franz Sorola
VERONICA FRANZ SOROLA

SIGNED and acknowledged before me this 7 day of July, 2008, at Brooks City Base, County of Bexar, and State of TX.



Mary Helen Vasquez
Notary Public