

Form PTO-1595 (Rev. 03-09)  
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ARL 04-60

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|---|--|--|--|
| <b>1. Name of conveying party(ies)</b><br><br>Howard E. Brandt<br><br>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |  | <b>2. Name and address of receiving party(ies)</b><br>Name: <u>The United States of America as represented by the</u><br>Internal Address: <u>Secretary of the Army</u><br><br>Street Address: _____<br><br>City: <u>Washington</u><br><br>State: <u>DC</u><br><br>Country: <u>USA</u> Zip: <u>20310</u><br><br>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |  |
| <b>3. Nature of conveyance/Execution Date(s):</b><br>Execution Date(s) <u>9/26/2005</u><br><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger<br><input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name<br><input type="checkbox"/> Joint Research Agreement<br><input type="checkbox"/> Government Interest Assignment<br><input type="checkbox"/> Executive Order 9424, Confirmatory License<br><input type="checkbox"/> Other _____ |  | <b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application.<br>A. Patent Application No.(s)<br><br>11/239,461<br><br>B. Patent No.(s)<br><br>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  |  |
| <b>5. Name and address to whom correspondence concerning document should be mailed:</b><br>Name: <u>U.S. Army Research Laboratory</u><br>Internal Address: <u>Attn: RDRL-LOC-1/Guy M. Miller</u><br><br>Street Address: <u>2800 Powder Mill Road</u><br><br>City: <u>Adelphi</u><br>State: <u>Maryland</u> Zip: <u>20783</u><br>Phone Number: <u>301-394-3791</u><br>Fax Number: <u>301-394-3972</u><br>Email Address: <u>guy.m.miller@arl.army.mil</u>   |  | <b>6. Total number of applications and patents involved:</b> <u>1</u><br><br><b>7. Total fee (37 CFR 1.21(h) &amp; 3.41)</b> \$ <u>40.00</u><br><input checked="" type="checkbox"/> Authorized to be charged to deposit account<br><input type="checkbox"/> Enclosed<br><input type="checkbox"/> None required (government interest not affecting title)   |  |
| <b>9. Signature:</b> <u>Guy M. Miller</u><br>Signature<br>Guy M. Miller, Reg. No. 32,333<br>Name of Person Signing  |  | <b>8. Payment Information</b><br><br>Deposit Account Number <u>19-2201</u><br>Authorized User Name <u>Guy M. Miller</u><br><br>Total number of pages including cover sheet, attachments, and documents: <u>2</u>   |  |

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**ASSIGNMENT OF INVENTION**

For use of this form, see AR 27-60; the proponent agency is OTJAG

Title of Invention: Quantum Cryptographic Entangling ProbeInventor(s) Howard E. Brandt\*Application Serial No.: 11/239,461

ARL 04-60

6/09/09

\*Date Oath Executed: 26 Sept. 2005

\*Filing Date: \_\_\_\_\_

(\*Data not known at execution may be added for better identification.)

I (We), the undersigned inventor(s), in consideration of the rights of the Government of the United States acquired by virtue of the circumstances under which the above-entitled invention was made, hereby:

1. Assign to the Government of the United States, as represented by the Secretary of the Army, the entire right, title and interest throughout the United States, its Territories, Possessions, and Puerto Rico, in and to the above-entitled invention and application for patent and all Letters Patent issuing thereon, and any continuation, continuation-in-part or division of said application and any reissue or extension of said Letters Patent.

2. Agree to assign to the Government upon its request, title and interest in the invention in those foreign countries in which the Government, within eight months of the filing of the United States application for patent, determines to cause an application to be filed; provided that if the Government determines not to cause an application to be filed in any particular foreign country or fails to make such a determination, within the said eight months, all right, title and interest in the invention in such foreign country shall remain in me (us), subject to a nonexclusive, irrevocable, royalty-free license to the Government in any patent which may issue on the invention in such foreign country, including the power to issue sublicenses for use in behalf of the Government and/or furtherance of the foreign policies of the Government.

3. Agree to provide any further information within my (our) knowledge and to execute any further documents necessary to the prosecution of patent applications on the invention, the prosecution and settlement of interferences and recording of title to patent applications and patents issuing thereon.

Signature of Inventor: \_\_\_\_\_

(First name)

(Middle Initial)

(Last name)

Duty Address: US ARL, AMSRD-ARL-SE-SE, Adelphi

(Locality)

Montgomery

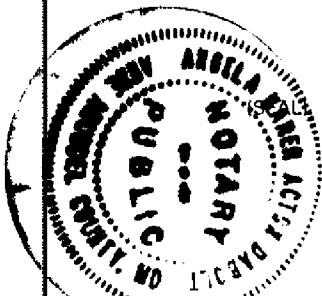
(County)

Maryland 20783-1197

(State)

Date: 26 September 2005Typed Name of Inventor: Howard E. BrandtState of: MARYLAND )County of: MONTGOMERY ) SS

On the above date Howard E. Brandt known to me to be the individual described in and who executed the foregoing instrument duly appeared before me and acknowledged to me that the same as his own free act and deed.



Angela Karen Acton Dabolt  
(Signature of notary public)

ANGELA KAREN ACTON DABOLT

My Commission expires on 1 August 2007