

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5385206

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE
CONVEYING PARTY DATA	
Name	Execution Date
UT-BATTELLE, LLC	01/28/2019
RECEIVING PARTY DATA	
Name:	U.S. DEPARTMENT OF ENERGY
Street Address:	1000 INDEPENDENCE AVE., SW
City:	WASHINGTON
State/Country:	D.C.
Postal Code:	20585
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16197457
CORRESPONDENCE DATA	
Fax Number:	(202)586-7127
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	2025862802
Email:	brenda.banks@hq.doe.gov
Correspondent Name:	BRENDA K. BANKS
Address Line 1:	1000 INDEPENDENCE AVE.
Address Line 4:	WASHINGTON, D.C. 20585
NAME OF SUBMITTER:	BRENDA BANKS
SIGNATURE:	/BRENDA BANKS/
DATE SIGNED:	02/21/2019
Total Attachments: 1	
source=4071.0_Confirmatory License Completed 2#page1.tif	

CONFIRMATORY LICENSE

Title: Quantum Key Distribution Using a Thermal Source
Inventor(s): Bing Qi, Philip G. Evans, and Warren P. Grice
Serial No.: 16/197,457
Filing Date (U.S.): November 21, 2018
Contractor: UT-Battelle, LLC
DOE Contract No.: DE-AC05-00OR22725

The invention identified above is a "Subject Invention" under the above-numbered contract. A copy of the provision of the above-numbered contract (certified on 04-13-00) governing patent rights in the Subject Invention at the time the invention was made, has been submitted to the U. S. Department of Energy.

The Contractor hereby confirms that under the provisions of the above-numbered contract governing patent rights, it has granted to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the subject invention throughout the world. This license applies to the invention in the above-identified patent application and any and all divisions or continuations thereof and any resulting patent or reissue patent which may be granted thereon.

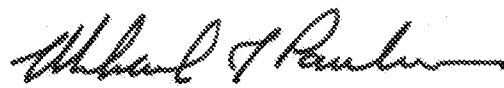
It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said contract or any other agent between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

The Contractor hereby grants the Government an irrevocable power to inspect and make copies of the above-identified application.

Signed this 20 day of January, 2018.

UT-Battelle, LLC

By



Michael J. Paulus
Director, Office of Technology Transfer