

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5744411

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the REMOVE 15/113821 FROM RECORDATION SHEET previously recorded on Reel 050509 Frame 0524. Assignor(s) hereby confirms the 16/408945.	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	UT-BATTELLE, LLC	08/05/2019
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	U.S. DEPARTMENT OF ENERGY	
<b>Street Address:</b>	1000 INDEPENDENCE AVE., SW	
<b>City:</b>	WASHINGTON	
<b>State/Country:</b>	D.C.	
<b>Postal Code:</b>	20585	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	16408945
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(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>		
<b>Phone:</b>	2025862802	
<b>Email:</b>	brenda.banks@hq.doe.gov	
<b>Correspondent Name:</b>	BRENDA K. BANKS	
<b>Address Line 1:</b>	1000 INDEPENDENCE AVE.	
<b>Address Line 4:</b>	WASHINGTON, D.C. 20585	
<b>NAME OF SUBMITTER:</b>	BRENDA K. BANKS	
<b>SIGNATURE:</b>	/Brenda K. Banks/	
<b>DATE SIGNED:</b>	09/30/2019	
<b>Total Attachments: 4</b>		
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**CONFIRMATORY LICENSE**

Title: Gain Balanced Nonlinear Optical Interferometer  
Inventor(s): Nicholas A. Peters, Joseph M. Lukens, and Raphael C. Pooser  
Serial No.: 16/408,945  
Filing Date (U.S.): May 10, 2019  
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.

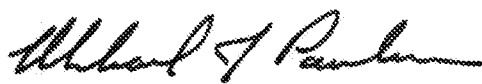
It is understood and agreed that this document does not preclude the Government from asserting rights under the provisions of said contract or any other agent between the Government and the Contractor, or any other rights of the Government with respect to the above-identified invention.

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

Signed this 5 day of August, 2019.

UT-Battelle, LLC

By



Michael J. Paulus  
Director, Office of Technology Transfer



United States Patent and Trademark Office

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Your assignment has been received by the USPTO.  
The coversheet of the assignment is displayed below:

**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1

Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE										
<b>CONVEYING PARTY DATA</b>											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>UT-BATTELLE, LLC</td><td>08/05/2019</td></tr></tbody></table>	Name	Execution Date	UT-BATTELLE, LLC	08/05/2019							
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<b>CORRESPONDENCE DATA</b>											

**PATENT****RECORDED: 09/30/2019****REEL: 050582 FRAME 0016**<https://epas.uspto.gov/cgi-bin/receipt.jsp?iname=C6BTG8QU1OQL-219>

9/29/2019