

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID H. HUGHES	10/03/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GOVERNMENT OF THE UNITED STATES AS REPRESENTED BY THE SECRETARY OF THE AIR FORCE
<b>Street Address:</b>	26 ELECTRONIC PARKWAY
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<b>State/Country:</b>	NEW YORK
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15895545
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<b>ATTORNEY DOCKET NUMBER:</b>	RL10202
<b>NAME OF SUBMITTER:</b>	ANGELA DIAMON
<b>SIGNATURE:</b>	/Angela Diamon/
<b>DATE SIGNED:</b>	10/05/2022
<b>Total Attachments: 1</b>	
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**ASSIGNMENT  
(Government Inventor)**

**WHEREAS, I, DAVID H. HUGHES**, while employed by the Government of the United States, made or contributed to an invention described in invention disclosure RLP 1102 entitled "QUANTUM OPERATIONS ON ENTANGLED PHOTONS USING LYOT FILTERS," to be filed as an application for Letters Patent of the United States (Application Serial Number 15/895545, filed February 3, 2018), and I hereby authorize and request Air Force Patent Counsel to insert here in the above parentheses (Application Serial Number, filed) the filing date and application number of said application when known; and

**WHEREAS**, the conditions under which said invention was made are such as to entitle the Government of the United States as represented by the Secretary of the Air Force, under Paragraph 1(a) of Executive Order 10096, to the entire right, title and interest therein, including foreign rights;

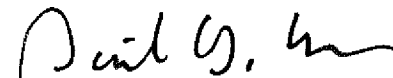
**NOW, THEREFORE**, to all whom it may concern, be it known that for and in consideration of the premises and other valuable considerations, **I, DAVID H. HUGHES**:

**HEREBY 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, my entire right, title, and interest, in and to the aforesaid invention described in the invention disclosure, all subsequent information to support that aforesaid invention, and the resulting application for Letters Patent of the United States including 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;

**HEREBY AUTHORIZE AND REQUEST** any official whose duty it is to issue patents, to issue any patent thereon to the Government of the United States, as represented by the Secretary of the Air Force, and his successors, as assignee of my 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 me had this Assignment not been made;

**HEREBY ALSO GRANT** to the Government of the United States, as represented by the Secretary of the Air Force, the option to take the entire right, title and interest in the invention or all applications for Letters Patent thereon in all countries or jurisdictions foreign to the United States in which the Government of the United States may file, or cause to be filed, applications for Letters Patent, without payment to me of any further consideration; provided, however, that this grant of an option to take foreign rights in the invention must be exercised by written notice to me within eight months of the first filing date of any application for United States Letters Patent covering the invention or within eight months from the declassification of the invention, whichever is later, and that all foreign rights not exercised under the option are left to me, subject to a nonexclusive, irrevocable, royalty-free license to the Government of the United States in any patent which may issue on said invention in any country or jurisdiction foreign to the United States, including the power to issue sublicenses for use on behalf of the Government of the United States and/or in furtherance of the foreign policies of the United States of America; and


**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 I shall not be subject to any out-of-pocket expense relative to such action.



DAVID H. HUGHES

SUBSCRIBED AND ACKNOWLEDGED before me by DAVID H. HUGHES this 3rd day of October 2017, at the city of Rome in the County of Oneida and State of New York

JOSEPH A. MANCINI  
NOTARY PUBLIC, State of New York  
No. 02MA6072019  
Appointed in Oneida County  
Commission Expires 25 Mar 2018

  
Notary Public