

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT7392983

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
UNIVERSITY OF MARYLAND	01/21/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	GOVERNMENT OF THE UNITED STATES AS REPRESENTED BY THE DIRECTOR, NATIONAL SECURITY AGENCY
<b>Street Address:</b>	9800 SAVAGE ROAD
<b>Internal Address:</b>	SUITE 6849
<b>City:</b>	FT. GEORGE G. MEADE
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20755-6849
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16552764
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(301)688-6052
<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>	301-688-6541
<b>Email:</b>	mrcompt@nsa.gov
<b>Correspondent Name:</b>	OFFICE OF ASSOCIATE GENERAL COUNSEL (ART)
<b>Address Line 1:</b>	9800 SAVAGE ROAD
<b>Address Line 2:</b>	SUITE 6849
<b>Address Line 4:</b>	FT. GEORGE G. MEADE, MARYLAND 20755-6849
<b>ATTORNEY DOCKET NUMBER:</b>	J2137
<b>NAME OF SUBMITTER:</b>	MARIAN R. COMPTON
<b>SIGNATURE:</b>	/Marian R. Compton/
<b>DATE SIGNED:</b>	06/21/2022
<b>Total Attachments: 2</b>	
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ASSIGNMENT

(Employee to Contractor and Contractor to Government)

APPLICATION FOR (Short title of invention)  
**System and Method for Induced Quantum Dots for Material Characterization, Qubits, and Quantum Computers**

INVENTOR(S)  
**Dr. Rousko T. Hristov ; Dr. Yun-Pil Shim**

SERIAL NUMBER <b>16/552,764</b>	FILED <b>8-27-2019</b>	OATH EXECUTED
CONTRACTOR <b>University of Maryland</b>		CONTRACT NUMBER <b>H98230-17-C-0194</b>
SUBCONTRACTOR		

WHEREAS, under the terms of the above-identified contract with the United States Government the Contractor\*\* agreed, inter alia, to grant to the Government certain rights under inventions and/or discoveries conceived or first actually reduced to practice in the performance of said contract; and

WHEREAS, the above-identified patent application discloses invention(s) within the purview of said rights agreed to be granted by the Contractor to the Government; and

WHEREAS, the Government desires that the assignment rights provided for by said contract in and to said invention(s) be confirmed; and

WHEREAS, under the employment contract, agreement or arrangement the Contractor-employer is entitled to an assignment in and to certain inventions made by the inventor(s) as part of his (their) duties as employee(s) of the Contractor; and

WHEREAS, the above identified invention(s) was/were made in the performance of the above identified contract and under such circumstances as to entitle the Government to an assignment of the entire right, title and interest in and to said invention(s) and any and all applications for Letters Patent thereon and in and to and all Letters Patent granted on said application, subject only to a non-exclusive royalty-free license throughout the world to Contractor, said license extends to its domestic subsidiaries and affiliates, if any, within the corporate structure of which the Contractor is a part and includes the right to grant sublicenses of the same scope to the extent the Contractor was legally obligated to do so at the time the contract was awarded. The license is transferable only with the approval of the funding Federal agency except when transferred to the successor of that part of the Contractor's business to which the invention pertains.

WHEREAS, Contractor warrants that it has the right to grant such assignments by virtue of an assignment executed to Contractor and recorded in the U.S. Patent and Trademark Office as follows:

*REEL <b>051341</b>	FRAME <b>0505</b>	RECORDING DATE <b>12/20/2019</b>
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NOTE: The Contractor may delete this Whereas clause by crossing it out and initialling in the margin, if PART A, EMPLOYEE ASSIGNMENT of this form is executed. If an assignment to Contractor has been previously executed and recorded, Contractor should complete this Whereas clause and delete PART A.

PART A  
EMPLOYEE ASSIGNMENT

~~NOW, THEREFORE, be it known that for and in consideration of these premises and for other good and sufficient consideration, the receipt of which is hereby acknowledged, I (we), the inventor(s), do sell, assign, and transfer to the Contractor-employer the entire right, title and interest in and to said invention(s) and patent application and in and to all Letters Patent wherever they may be granted thereon, as well as divisions, continuations, reissues, and extensions of said application and Letters Patent, the same to be held and enjoyed by the said Contractor-employer to the full end of the term or terms for which Letters Patent are or may be granted, as fully and entirely as the same would have been held or enjoyed by me (us) had this assignment not been made.~~ *Fm*

FORM 0654A OCT 77

\*DATA NOT SHOWN AT EXECUTION MAY BE ADDED LATER FOR BETTER IDENTIFICATION  
\*\*THE TERMS CONTRACT AND CONTRACTOR SHALL INCLUDE SUBCONTRACT AND SUBCONTRACTOR, IF APPLICABLE, WHEREVER THEY OCCUR

PART B  
CONTRACTOR ASSIGNMENT

NOW, THEREFORE, in consideration of these premises and for other good and sufficient consideration, the receipt of which is hereby acknowledged, the Contractor does hereby assign, sell and transfer to the United States Government, as represented by the Director, National Security Agency and his successors in office, the entire right, title and interest, throughout the world in and to said invention(s) and patent application and in and to any and all Letters Patent granted thereon, as well as divisions, continuations, reissues, and extensions of said application and Letters Patent, the same to be held and enjoyed by the said Government of the United States, to the full end of the term or terms for which Letters Patent are or may be granted, as fully and entirely as the same would have been held or enjoyed by the Contractor had this assignment not been made, subject only to the license, as above recited, which license extends to Contractor and to existing and future associated and affiliated companies, if any, within the corporate structure of which Contractor is a part, and which license is hereby reserved.

Signed for Contractor on Jan. 21, 2020 (Date)

at <sup>(Locality)</sup> College Park <sup>(County)</sup> Prince George's

<sup>(State)</sup> Maryland  
Felicia Metz  
Felicia Metz, Assoc. Director  
Typed Name Univ. of Maryland

I certify that I am the Secretary of the above-identified Corporation; that the officer who signed this Instrument on behalf of the Corporation was then \_\_\_\_\_ of the Corporation, acting by authority of its governing body and within the scope of its corporate powers.

Signed on \_\_\_\_\_ (Date)

\_\_\_\_\_  
SECRETARY (Signature)  
\_\_\_\_\_  
Typed Name

(Corporate Seal)

State of \_\_\_\_\_ }  
County of \_\_\_\_\_ } SS:

On January 21, 2020 before me appeared Felicia Metz  
and \_\_\_\_\_ to me well known, and known to be the  
Associate Director and \_\_\_\_\_  
of University of Maryland a corporation of Maryland  
and affixed their names to the foregoing Instrument in my presence, and acknowledged the same to be their and said Corporation's free act and deed.

(Seal)

Notary Public Corey M Ferrick  
My commission expires September 7, 2022

COREY M FERRICK  
Notary Public-Maryland  
Montgomery County  
My Commission Expires  
Sept 7, 2022

PATENT