

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
FRANCESCO MARSILI	04/28/2014
SAE WOO NAM	04/12/2014
VARUN BOEHM VERMA	04/25/2014
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13869802
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ATTORNEY DOCKET NUMBER:	11-011/12-032
NAME OF SUBMITTER:	BRENDA L. THOMASSON
SIGNATURE:	/Brenda L. thomasson/
DATE SIGNED:	05/12/2014
Total Attachments: 4	
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NIST Docket number: 12-032

ASSIGNMENT OF PATENT RIGHTS

We, SAE WOO NAM, residing in BOULDER COLORADO and VARUN BOEHM VERMA, residing in LAFAYETTE, COLORADO invented "VERTICAL STACKING OF SUPERCONDUCTING NANOWIRE AVALANCHE PHOTODETECTORS BASED ON AMORPHOUS TUNGSTEN SILICIDE" and have filed an application for United States Letters Patent, Serial Number 13/869,802 on April 24, 2013.

The invention was made while we were employees of the United States Department of Commerce and under such circumstances that applicable laws and regulations render the patent rights assignable to the United States. The United States of America, represented by the Secretary of Commerce, wishes to acquire these rights.

Therefore, we assign to the United States of America, as represented by the Secretary of Commerce, our full and exclusive world-wide rights to this invention. As consideration for this Assignment, we will be treated as inventors whose rights are assigned to the United States, for royalty sharing purposes, if royalties are ever collected, as explained in Section 3710c of Title 15 of the United States Code. This invention and its derivative applications in the United States Patent and Trademark Office and United States Letters Patent are to be held by the United States of America for the full term for which such Letters Patent may be granted as completely as they would have been held by us had we not made this assignment.

We agree to make, execute, and deliver to the Secretary of Commerce all documents in such usual or other forms, terms, or contents as may be required by the Secretary for the prosecution of all applications arising from this invention, as well as after issuance of Letters Patent, and for the settlement of any interference or other action or proceeding, these applications and Letters Patent may encounter. We will aid the United States of America in every way to protect the invention as requested by the Secretary, except that any expenses arising through such assistance will be borne, through proper arrangement, by the United States of America.

We warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements, oral, written, or implied, that will impair the interests conveyed in this assignment at the time we execute this instrument.

IN TESTIMONY WHEREOF, we sign



SAE WOO NAM

4/12/14

DATE



VARUN BOEHM VERMA

4/25/14

DATE

ASSIGNMENT OF PATENT RIGHTS

I, FRANCESCO MARSILI, residing in BOULDER, COLORADO, invented "VERTICAL STACKING OF SUPERCONDUCTING NANOWIRE AVALANCHE PHOTODETECTORS BASED ON AMORPHOUS TUNGSTEN SILICIDE." and filed an application for United States Letter Patent, Serial Number 13/869,802 on April 24, 2013.

The invention was made while I was a Guest Researcher at the National Institute of Standards and Technology, the United States Department of Commerce, and under such circumstances that applicable laws, and regulations and agreements render the patent rights within the United States assignable to the United States. The United States of America, represented by the Secretary of Commerce, wishes to acquire these rights.

Therefore, I assign to the United States of America, as represented by the Secretary of Commerce, my full and exclusive rights within the United States to this invention. As consideration for this Assignment, I will be treated as an inventor whose rights are assigned to the United States, for royalty sharing purposes, if royalties are ever collected, as explained in Section 3710c of Title 15 of the United States Code. This invention and its derivative applications in the United States Patent and Trademark Office and United States Letters Patent are to be held by the United States of America for the full term for which such Letters Patent may

be granted as completely as they would have been held by me had I not made this assignment.

I agree to make, execute, and deliver to the Secretary of Commerce all documents in such usual or other forms, terms, or contents as may be required by the Secretary for the prosecution of all domestic applications arising from this invention, as well as after issuance of Letters Patent, and for the settlement of any interferences or other actions or proceedings these applications and Letters Patent may encounter. I will aid the United States of America in every way to protect the invention as requested by the Secretary, except that any expenses arising through such assistance will be borne, through proper arrangement, by the United States of America.

I warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements, oral, written, or implied, that will impair the interests conveyed in this assignment at the time I execute this instrument.

IN TESTIMONY WHEREOF, I sign.


FRANCESCO MARSILI

4/28/2014
Date