

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

EPAS ID: PAT6361265

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
EUGENE M LAVELY	10/15/2020
AMRITA V. MASURKAR	10/21/2020
THOMAS J. STARK	10/21/2020
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BAE Systems Information and Electronic Systems Integration Inc.
<b>Street Address:</b>	PO Box 868
<b>Internal Address:</b>	NHQ1-719
<b>City:</b>	Nashua
<b>State/Country:</b>	NEW HAMPSHIRE
<b>Postal Code:</b>	03061-0868
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	17076303
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(603)885-2167
<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>	603-885-6680
<b>Email:</b>	nancy.young@baesystems.com
<b>Correspondent Name:</b>	NANCY YOUNG
<b>Address Line 1:</b>	65 SPIT BROOK ROAD
<b>Address Line 2:</b>	NHQ01-719
<b>Address Line 4:</b>	NASHUA, NEW HAMPSHIRE 03060
<b>ATTORNEY DOCKET NUMBER:</b>	18-4015
<b>NAME OF SUBMITTER:</b>	NANCY A. YOUNG
<b>SIGNATURE:</b>	/Nancy A. Young/
<b>DATE SIGNED:</b>	10/21/2020
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 6</b>	

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## COMBINED DECLARATION AND ASSIGNMENT OF INVENTION

As below named inventor(s), I hereby declare that this Declaration and Assignment is directed to:

### NANOFABRICATED STRUCTURES FOR SUB-BEAM RESOLUTION AND SPECTRAL ENHANCEMENT IN TOMOGRAPHIC IMAGING

The application attached hereto OR  
the United States application (provisional or non-provisional) or PCT international application:  
Application Number: \_\_\_\_\_ Filed on: \_\_\_\_\_  
(As amended (if applicable) – and we hereby request and authorize the Company or its delegated attorney/agent to insert above the application number and file date of the application when known.)

The referenced application was made or authorized to be made by me and I believe that I am the original or joint inventor of the claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration are punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the referenced application including the claims, as amended by any amendment referenced herein. I acknowledge the duty to disclose information which is material to patentability of this application as defined in 37 CFR 1.56.

In accordance with my obligation(s) under the Proprietary Information and Assignment of Inventions Agreement or (as applicable) arising out of other agreements, and/or for other good and valuable consideration of which receipt is acknowledged, to **BAE Systems Information And Electronic Systems Integration Inc.** (hereinafter referred to as BAE), a Delaware corporation, having a place of business at PO Box 868, Nashua, New Hampshire, 03061-0868, I hereby sell, assign and transfer to BAE its successors, and assigns my entire right, title and interest, including the right of priority, in, and to the invention and improvements made in any and all applications, both United States and foreign, continuations, continuations-in-part (CIPs), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto including the right of priority under the International Convention which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent.

I additionally authorize BAE to file applications in my name for Letters Patent in any country, to be held and enjoyed by BAE, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, and transfer not been made;

And I/we hereby covenant that I/we have a full right to convey my/our entire interest herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith, and I/we further covenant and agree that I/we will, each time a request is made, and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said invention(s) or improvement(s), said application and said Letters Patent to BAE, its successors, assigns, nominees or legal representatives, and I/we agree to communicate to BAE, or to its nominee, all known facts respecting said invention(s) or improvement(s) said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisionals, continuations, CIPs, reissue and foreign applications, to make all rightful oaths and declarations, and generally to do everything reasonable to aid BAE, its successors, assigns, nominees and legal representatives to obtain and enforce, for its or their own benefit, proper patent protection for said invention(s) or improvements(s) in any and all countries;

And I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to BAE, as assignee of my/our entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment;

Date: 10/15/2020 

**Eugene M. Lively**

Date: \_\_\_\_\_ **Amrita V. Masurkar**

Date: \_\_\_\_\_ **Thomas J. Stark**

**COMBINED DECLARATION AND ASSIGNMENT OF INVENTION**

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**NANOFABRICATED STRUCTURES FOR SUB-BEAM RESOLUTION AND SPECTRAL  
ENHANCEMENT IN TOMOGRAPHIC IMAGING**

The application attached hereto OR

the United States application (provisional or non-provisional) or PCT international application:

Application Number: 62/923,756 Filed on: OCTOBER 21, 2019

(As amended (if applicable) -- and we hereby request and authorize the Company or its delegated attorney/agent to insert above the application number and file date of the application when known.)

The referenced application was made or authorized to be made by me and I believe that I am the original or joint inventor of the claimed invention in the application. I hereby acknowledge that any willful false statement made in this declaration are punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

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In accordance with my obligation(s) under the Proprietary Information and Assignment of Inventions Agreement or (as applicable) arising out of other agreements, and/or for other good and valuable consideration of which receipt is acknowledged, to BAE Systems Information And Electronic Systems Integration Inc. (hereinafter referred to as BAE), a Delaware corporation, having a place of business at PO Box 868, Nashua, New Hampshire, 03061-0868, I hereby sell, assign and transfer to BAE its successors, and assigns my entire right, title and interest, including the right of priority, in, and to the invention and improvements made in any and all applications, both United States and foreign, continuations, continuations-in-part (CIPs), divisionals, and renewals of and substitutes for said application for said Letters Patent, and any and all Letters Patent of the United States and of countries foreign thereto including the right of priority under the International Convention which may be granted thereon or therefore; and any reissues, or reexaminations, or extensions of said Letters Patent.

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And I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to BAE, as assignee of my/our entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment;

Date: .....  
Eugene M. Lavelly

Date: .....  
Amrita V. Masurkar

Date: 10/21/2020  
  
Thomas J. Stark

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And I/we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to BAE, as assignee of my/our entire right, title and interest, any and all Letters Patent for said invention(s) or improvement(s), including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this Assignment;

Date: \_\_\_\_\_  
\_\_\_\_\_ Eugene M. Lively

Date: 10/21/20   
\_\_\_\_\_ Amrita V. Masurkar

Date: \_\_\_\_\_  
\_\_\_\_\_ Thomas J. Stark