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| <b>PATENT ASSIGNMENT COVER SHEET</b> |
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EPAS ID: PAT5011557

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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>   |
| ROBERT T CARLSON  | 05/21/2018  |
| DENNIS P BOWLER   | 06/05/2018  |
| DAVID C DONARSKI  | 05/15/2018  |
| DAVID A HAESSIG JR.   | 04/24/2018  |
| STUART M LOPATA   | 06/11/2018  |
| DALE A RICKARD  | 05/14/2018  |
| <b>RECEIVING PARTY DATA</b>   |   |
| <b>Name:</b>  | BAE Systems Information and Electronic Systems Integration Inc. |
| <b>Street Address:</b>  | PO Box 868  |
| <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>  | 16002052  |
| <b>CORRESPONDENCE DATA</b>  |   |
| <b>Fax Number:</b>  | (603)886-4796   |
| <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>   | 6038866100  |
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| <b>Correspondent Name:</b>  | MAINE CERNOTA AND RARDIN  |
| <b>Address Line 1:</b>  | 547 AMHERST ST., 3RD FLOOR                                      |
| <b>Address Line 4:</b>  | NASHUA, NEW HAMPSHIRE 03063-4000                                |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 17-3746-US  |
| <b>NAME OF SUBMITTER:</b>   | DOUGLAS P. BURUM  |
| <b>SIGNATURE:</b>   | /Douglas P. Burum, Reg. No. 65,019/                             |
| <b>DATE SIGNED:</b>   | 06/18/2018  |
| <b>Total Attachments: 6</b>   |   |

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**ASSIGNMENT**

For value received, I/We, the undersigned (each) have agreed and hereby agree to assign 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 in furtherance of my/our obligations to BAE, and do hereby assign and transfer to BAE, its successors, and assigns my/our entire right, title and interest, including the right of priority, in, and to and under an application for Letters Patent of the United States entitled:

**APPARATUS AND METHOD FOR RAPID IDENTIFICATION OF CANDIDATE LASER COMMUNICATION BEACONS**

Filing date: June 7, 2018 Application Number: 16/002,052

and executed on even date herewith the invention(s) and improvement(s) set forth therein, and any and all 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/We additionally authorize BAE to file applications in my/our 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.

I/we further authorize and direct BAE attorneys to insert the application number and filing date of said application now identified by the case number and title set forth above as soon as the same shall have been known to them by the United States Patent and Trademark Office.

Date Assignment Signed: 21 May 2018 /Robert T Carlson/  
**Robert T Carlson**

Date Witness Signed: \_\_\_\_\_  
 \_\_\_\_\_  
 [Witness signature]  
 \_\_\_\_\_  
 [Witness Printed Name]

Date Assignment Signed: 3 June 2018 Dennis P. Bowler  
Dennis P. Bowler

Date Witness Signed: 5 June 2018 [Signature]  
[Witness signature]  
THOMAS YUBOUCHEK  
[Witness Printed Name]

Date Assignment Signed: \_\_\_\_\_  
David C Donarski

Date Witness Signed: \_\_\_\_\_  
[Witness signature]  
[Witness Printed Name]

Date Assignment Signed: \_\_\_\_\_  
David A Haessig, Jr.

Date Witness Signed: \_\_\_\_\_  
[Witness signature]  
[Witness Printed Name]

Date Assignment Signed: \_\_\_\_\_  
Stuart M Lopata

Date Witness Signed: \_\_\_\_\_  
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Date Assignment Signed: \_\_\_\_\_  
Dale A Rickard

Date Witness Signed: \_\_\_\_\_  
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Date Assignment Signed: \_\_\_\_\_  
Dennis F Bowler

Date Witness Signed: \_\_\_\_\_  
[Witness signature]  
[Witness Printed Name]

Date Assignment Signed: 5/15/18 \_\_\_\_\_  
David C Donarski

Date Witness Signed: 5/15/18 \_\_\_\_\_  
[Witness signature]  
ALAN BERARD  
[Witness Printed Name]

Date Assignment Signed: \_\_\_\_\_  
David A Haessig, Jr.

Date Witness Signed: \_\_\_\_\_  
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[Witness Printed Name]

Date Assignment Signed: \_\_\_\_\_  
Stuart M Lopata

Date Witness Signed: \_\_\_\_\_  
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Date Assignment Signed: \_\_\_\_\_  
Dale A Rickard

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Date Assignment Signed: \_\_\_\_\_  
Dennis P Bowler

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Date Assignment Signed: \_\_\_\_\_  
David C Donarski

Date Witness Signed: \_\_\_\_\_  
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[Witness Printed Name]

Date Assignment Signed: 4/24/18 \_\_\_\_\_  
David A Haessig, Jr.

Date Witness Signed: 4/24/18 \_\_\_\_\_  
Stuart Lopata  
[Witness signature]

\_\_\_\_\_  
STUART LOPATA  
[Witness Printed Name]

Date Assignment Signed: \_\_\_\_\_  
Stuart M Lopata

Date Witness Signed: \_\_\_\_\_  
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David C Donarski

Date Witness Signed: \_\_\_\_\_  
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[Witness Printed Name]

Date Assignment Signed: \_\_\_\_\_  
David A Haessig, Jr.

Date Witness Signed: \_\_\_\_\_  
[Witness signature]

\_\_\_\_\_  
[Witness Printed Name]

Date Assignment Signed: 6/11/18 \_\_\_\_\_  
*Stuart M Lopata* Stuart M Lopata

Date Witness Signed: 6/11/18 \_\_\_\_\_  
*James Comerford* [Witness signature]

JAMES COMERFORD  
[Witness Printed Name]

Date Assignment Signed: \_\_\_\_\_  
Dale A Rickard

Date Witness Signed: \_\_\_\_\_  
[Witness signature]

\_\_\_\_\_  
[Witness Printed Name]

Date Assignment Signed: \_\_\_\_\_  
Dennis P Bowler

Date Witness Signed: \_\_\_\_\_  
[Witness signature]  
[Witness Printed Name]

Date Assignment Signed: \_\_\_\_\_  
David C Donarski

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David A Haessig, Jr.

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[Witness signature]  
[Witness Printed Name]

Date Assignment Signed: \_\_\_\_\_  
Stuart M Lopata

Date Witness Signed: \_\_\_\_\_  
[Witness signature]  
[Witness Printed Name]

Date Assignment Signed: 5/14/2018  
Dale Rickard

Date Witness Signed: 5/14/2018  
Yusuf K. Al-Otaibi  
[Witness signature]  
[Witness Printed Name]