#### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE:      | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |

#### **CONVEYING PARTY DATA**

| Name              | Execution Date |
|-------------------|----------------|
| Jeffrey A. Reuter | 08/20/2012     |
| William S. Terry  | 08/21/2012     |
| Robert J. Nation  | 08/24/2012     |
| Kenneth Baldwin   | 11/20/2012     |
| Jud DeCew         | 11/15/2012     |

#### **RECEIVING PARTY DATA**

| Name:             | BAE Systems Information and Electronic Systems Integration Inc. |
|-------------------|---|
| Street Address:   | PO Box 868  |
| Internal Address: | NHQ1-719  |
| City:             | Nashua  |
| State/Country:    | NEW HAMPSHIRE   |
| Postal Code:      | 03061-0868  |

#### PROPERTY NUMBERS Total: 1

| Property Type       | Number   |
|---------------------|----------|
| Application Number: | 13592464 |

## **CORRESPONDENCE DATA**

Fax Number: 6038852167

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

603-885-6680 Phone:

nancy.young@baesystems.com Email:

Correspondent Name: Nancy Young Address Line 1: 65 Spit Brook Road Address Line 2:

Nashua, NEW HAMPSHIRE 03060

ATTORNEY DOCKET NUMBER: **BAEP-1302** 

**PATENT** 

REEL: 029331 FRAME: 0233

NHQ01-719

Address Line 4:

| NAME OF SUBMITTER:  | Nancy A. Young |
|---|----------------|
| Total Attachments: 7 source=BAEP1302-Assignment#page1.tif source=BAEP1302-Assignment#page2.tif source=BAEP1302-Assignment#page3.tif source=BAEP1302-Assignment#page4.tif source=BAEP1302-Assignment#page5.tif source=BAEP1302-Assignment#page6.tif source=BAEP1302-Assignment#page7.tif |                |

PATENT REEL: 029331 FRAME: 0234

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 the 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:

| UNDERWATER SENSO   | R ARRAYS LINEARIZI   | ED BY WEIGHT AND BUOYANCE DISTRIBUTION  |
|--|--|---|
| Filing date: <u>8/23/2</u>   | 012 Aj   | oplication Number: 13/592,464   |
| said Letters Patent, and an  | ns-in-part (CIPs), division<br>iy and all Letters Patent of<br>the International Conven  | s) and improvement(s) set forth therein, and any and all nals, and renewals of and substitutes for said application for of the United States and of countries foreign thereto including tion which may be granted thereon or therefore; and any etters Patent.  |
| terms for which said Lette   | its successors, assigns, not patent respectively ma  | tions in my/our name for Letters Patent in any country, to be<br>cominees or legal representatives, to the full end of the term or<br>y be granted, reissued or extended, as fully and entirely as the<br>had this assignment, and transfer not been made;  |
| that I/we will, each time a necessary or desirable to p Patent to BAE, its success or to its nominee, all know Patent, to testify in any leg continuations, CIPs, reissu do everything possible to a | not execute any agreemed<br>request is made, and with<br>erfect the title to said involves,<br>assigns, nominees or<br>in facts respecting said in<br>al proceedings, to sign all<br>e and foreign application<br>tid BAE, its successors, a | right to convey the entire interest herein assigned, and that I/we ent in conflict herewith, and I/we further covenant and agree nout undue delay, execute and deliver all such papers as may be ention(s) or improvement(s), said application and said Letters legal representatives, and I/we agree to communicate to BAE, vention(s) or improvement(s) said application and said Letters I lawful papers, to execute all disclaimers and divisionals, s, to make all rightful oaths and declarations, and generally to assigns, nominees and legal representatives to obtain and rotection for said invention(s) or improvements(s) in any and |
| applications as aforesaid, to<br>Patent for said invention(s)  | or countries foreign to the issue to BAE, as assigned or improvement(s), inches  | nissioner of Patents and Trademarks of the United States and<br>e United States whose duty it is to issue patents on<br>ee of the entire right, title and interest, any and all Letters<br>ading any and all Letters Patent of the United States which<br>eplication aforesaid, in accordance with the terms of this  |
| I/we further authorize as application now identified I to them by the United State   | by the case number and ti  | to insert the application number and filing date of said itle set forth above as soon as the same shall have been known Office.   |
| Date Assignment Signed:  | 5/20/12  | Jeffrey A. Reuter   |
| Date Witness Signed:   | 8/20/12  | Qosa Manager [Witness signature]  |
|  |  | Witness Printed Name  |

PATENT REEL: 029331 FRAME: 0235

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 the 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:

| <u>UNDERWA</u>   | TER SENSOR ARRAYS LINEA  | RIZED BY WEIGHT AN  | D BUOYANCE DISTRIBUTION   |
|--|--|---|---|
| Filing date:   | 8/23/2012  | Application Number:   | 13/592,464  |
| said Letters I<br>the right of p   | s, continuations-in-part (CIPs), div<br>Patent, and any and all Letters Pat  | visionals, and renewals of<br>ent of the United States an<br>evention which may be gra  | set forth therein, and any and all<br>and substitutes for said application for<br>ad of countries foreign thereto including<br>anted thereon or therefore; and any  |
| held and enjo  | yed by BAE, its successors, assig  | ns, nominees or legal repr<br>y may be granted, reissued  | for Letters Patent in any country, to be essentatives, to the full end of the term or lor extended, as fully and entirely as the nd transfer not been made;   |
| have not exect that I/we will necessary or or Patent to BAI or to its nomin Patent, to test continuations, do everything | cuted and will not execute any age, each time a request is made, and desirable to perfect the title to said E, its successors, assigns, nomined nee, all known facts respecting saify in any legal proceedings, to sign, CIPs, reissue and foreign applicate possible to aid BAE, its successing the procession of the content of | eement in conflict herewit without undue delay, exert invention(s) or improver so or legal representatives, id invention(s) or improve gn all lawful papers, to exitions, to make all rightful ors, assigns, nominees and | tire interest herein assigned, and that I/we h, and I/we further covenant and agree cute and deliver all such papers as may be nent(s), said application and said Letters and I/we agree to communicate to BAE, ment(s) said application and said Letters ecute all disclaimers and divisionals, oaths and declarations, and generally to I legal representatives to obtain and ention(s) or improvements(s) in any and |
| any official of<br>applications a<br>Patent for said   | any country or countries foreign<br>s aforesaid, to issue to BAE, as as<br>invention(s) or improvement(s),   | to the United States whose<br>signee of the entire right,<br>including any and all Lett   | nd Trademarks of the United States and e duty it is to issue patents on title and interest, any and all Letters ers Patent of the United States which a accordance with the terms of this   |
| application no   | or authorize and direct BAE attorn<br>we identified by the case number a<br>United States Patent and Tradem  | and title set forth above as  | on number and filing date of said soon as the same shall have been known  |
| Date Assignme  | ent Signed:  |   | Jeffrey A. Reuter   |
| Date Witness S   | Signed:  |   | [Witness signature]   |
|  |  |   |   |

PATENT REEL: 029331 FRAME: 0236

[Witness Printed Name]

|                         | 1 /     |   |
|-------------------------|---------|---|
| Date Assignment Signed: | 8/2/12  |   |
| Date Witness Signed:    | 8/21/12 | William S. Terry  [Witness signature]  [Witness Printed Name] |
| Date Assignment Signed: |         | Robert J. Nation  |
| Date Witness Signed:    |         | [Witness signature]   |
|                         |         | [Witness Printed Name]  |
| Date Assignment Signed: |         | Kenneth Baldwin   |
| Date Witness Signed:    |         | [Witness signature]   |
|                         |         | [Witness Printed Name]  |
| Date Assignment Signed: | S       | Jud DeCew   |
| Date Witness Signed:    |         | [Witness signature]   |
|                         |         | [Witness Printed Name]  |

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 the 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:

| UNDERWATE   | R SENSOR AR   | RAYS LINEARIZ  | ED BY WEIGHT AN   | D BUOYANCE DISTRIBUTION  |
|---|---|--|---|--|
| Filing date:  | 8/23/2012   | A  | pplication Number:  | 13/592,464   |
| continuations, or said Letters Pate the right of price  | continuations-in-<br>tent, and any and<br>prity under the In  | part (CIPs), division all Letters Patent   | onals, and renewals of<br>of the United States ar<br>ntion which may be gr  | set forth therein, and any and all and substitutes for said application for ad of countries foreign thereto including anted thereon or therefore; and any  |
| held and enjoye<br>terms for which  | ed by BAE, its su<br>said Letters Pat   | eccessors, assigns,<br>ent respectively m  | nominees or legal repr<br>ay be granted, reissued   | for Letters Patent in any country, to be resentatives, to the full end of the term or to rextended, as fully and entirely as the nd transfer not been made;  |
| have not execut<br>that I/we will, e<br>necessary or de:<br>Patent to BAE,<br>or to its nomine<br>Patent, to testify<br>continuations, C<br>do everything p | ed and will not e<br>ach time a reque<br>sirable to perfect<br>its successors, as<br>e, all known fact<br>in any legal pro<br>IPs, reissue and<br>ossible to aid B. | execute any agreen<br>st is made, and wit<br>the title to said in<br>ssigns, nominees o<br>is respecting said in<br>sceedings, to sign a<br>foreign application<br>AE, its successors, | nent in conflict herewithout undue delay, exe-<br>vention(s) or improver<br>r legal representatives,<br>nvention(s) or improve-<br>ill lawful papers, to ex-<br>ns, to make all rightful<br>assigns, nominees and | tire interest herein assigned, and that I/we h, and I/we further covenant and agree cute and deliver all such papers as may be nent(s), said application and said Letters and I/we agree to communicate to BAE, ement(s) said application and said Letters ecute all disclaimers and divisionals, oaths and declarations, and generally to I legal representatives to obtain and ention(s) or improvements(s) in any and |
| any official of a<br>applications as a<br>Patent for said in  | ny country or co<br>aforesaid, to issu<br>nvention(s) or in   | untries foreign to t<br>e to BAE, as assign<br>aprovement(s), inc  | he United States whos<br>nee of the entire right,<br>luding any and all Lett  | nd Trademarks of the United States and e duty it is to issue patents on title and interest, any and all Letters ers Patent of the United States which a accordance with the terms of this  |
| application now   | identified by the   | ect BAE attorneys<br>case number and<br>ent and Trademark  | title set forth above as  | on number and filing date of said soon as the same shall have been known   |
| Date Assignmen  | t Signed:   |  |   |  |
|   |   |  |   | Jeffrey A. Reuter  |
| Date Witness Sig  | gned:   |  | . <del></del>   | [Witness signature]  |
|   |   |  |   |  |

PATENT REEL: 029331 FRAME: 0238

[Witness Printed Name]

| Date Assignment Signed: |         |                                  |
|-------------------------|---------|----------------------------------|
|                         |         | William S. Terry                 |
| Date Witness Signed:    |         |                                  |
|                         |         | [Witness signature]              |
|                         |         | [Witness Printed Name]           |
| Date Assignment Signed: | 8/24/12 | Hold Nat                         |
|                         |         | Robert J. Nation                 |
| Date Witness Signed:    | 8/24/12 | Lisa Kasa                        |
|                         |         | [Witness signature]<br>Lisa Ross |
|                         |         | [Witness Printed Name]           |
|                         |         |                                  |
| Date Assignment Signed: |         | Kenneth Baldwin                  |
| Date Witness Signed:    |         |                                  |
| rodic withess signed,   |         | [Witness signature]              |
|                         |         | [Witness Printed Name]           |
| Date Assignment Signed: |         |                                  |
|                         |         | Jud DeCew                        |
| Date Witness Signed:    |         |                                  |
|                         |         | [Witness signature]              |
|                         |         | [Witness Printed Name]           |

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 the 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:

| UNDERWAT   | ER SENSOR ARRAYS I  | LINEARIZED BY WEIGHT AN   | D BUOYANCE DISTRIBUTION   |
|--|---|---|---|
| Filing date: _   | 8/23/2012   | Application Number:   | 13/592.464  |
| said Letters P<br>the right of pr  | , continuations-in-part (C) atent, and any and all Lett   | IPs), divisionals, and renewals of<br>ters Patent of the United States as<br>mal Convention which may be as   | s) set forth therein, and any and all<br>and substitutes for said application for<br>ad of countries foreign thereto including<br>anted thereon or therefore; and any   |
| neid and enjoy   | yed by BAE, its successor<br>ch said Letters Patent resp  | s, assigns, nominees or legal rep   | for Letters Patent in any country, to be resentatives, to the full end of the term or d or extended, as fully and entirely as the and transfer not been made;   |
| l/we have not agree that I/w may be necess Letters Patent to BAE, or to said Letters Patent divisionals, cogenerally to de | executed and will not exe e will, each time a request sary or desirable to perfec to BAE, its successors, as its nominee, all known fa atent, to testify in any legs ontinuations, CIPs, reissue o everything possible to a force, for its or their own t | ecute any agreement in conflict he<br>is made, and without undue delet<br>the title to said invention(s) or it<br>ssigns, nominees or legal represe-<br>cts respecting said invention(s) of<br>all proceedings, to sign all lawful<br>and foreign applications, to make<br>id BAE, its successors, assigns, | ntire interest herein assigned, and that erewith, and I/we further covenant and ay, execute and deliver all such papers as improvement(s), said application and said intatives, and I/we agree to communicate in improvement(s) said application and papers, to execute all disclaimers and teall rightful oaths and declarations, and nominees and legal representatives to for said invention(s) or improvements(s) |
| any official of<br>applications as<br>Patent for said  | any country or countries<br>aforesaid, to issue to BA<br>invention(s) or improven   | foreign to the United States who<br>E, as assignee of the entire right,<br>nent(s), including any and all Let   | and Trademarks of the United States and se duty it is to issue patents on title and interest, any and all Letters ters Patent of the United States which in accordance with the terms of this   |
| application no   | r authorize and direct BA<br>w identified by the case n<br>United States Patent and   | umber and title set forth above as  | ion number and filing date of said<br>s soon as the same shall have been known  |
| Date Assignm   | ent Signed:   |   |   |
|  |   |   | Jeffrey A. Reuter   |
| Date Witness !   | Signed:   |   | FAY   |
|  |   |   | [Witness signature]   |

PATENT REEL: 029331 FRAME: 0240

[Witness Printed Name]

| Date Assignment Signed: |                       |   |
|-------------------------|-----------------------|---|
|                         |                       | William S. Terry                        |
| Date Witness Signed:    |                       | [Witness signature]                     |
|                         |                       | [Witness Printed Name]                  |
| Date Assignment Signed: |                       | Robert J. Nation                        |
| Date Witness Signed:    |                       | [Witness signature]                     |
|                         |                       | [Witness Printed Name]                  |
| Date Assignment Signed: | 2000202<br>11/20/2012 | Kenneth Baldwin                         |
| Date Witness Signed:    | 11/20/2012            | [Witness signature]                     |
|                         |                       | TRZSTAN CARRIGAE [Witness Printed Name] |
| Date Assignment Signed: | 11/15/2012            | Jud DeCew                               |
| Date Witness Signed:    | 11/18/2012            | [Witness signature]                     |
|                         |                       | TRISTAN CARRIER [Witness Printed Name]  |

PATENT REEL: 029331 FRAME: 0241

**RECORDED: 11/20/2012**