

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Craig M. Hill</td> <td>12/04/2008</td> </tr> <tr> <td>Andrew T. Pomerene</td> <td>12/04/2008</td> </tr> <tr> <td>Timothy J. Conway</td> <td>12/04/2008</td> </tr> <tr> <td>Vu A. Vu</td> <td>12/04/2008</td> </tr> <tr> <td>Daniel N. Carothers</td> <td>01/07/2009</td> </tr> </tbody> </table>		Name	Execution Date	Craig M. Hill	12/04/2008	Andrew T. Pomerene	12/04/2008	Timothy J. Conway	12/04/2008	Vu A. Vu	12/04/2008	Daniel N. Carothers	01/07/2009
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RECEIVING PARTY DATA													
Name:	BAE SYSTEMS Information And Electronic Systems Integration Inc.												
Street Address:	65 Spit Brook Road												
City:	Nashua												
State/Country:	NEW HAMPSHIRE												
Postal Code:	03061												
PROPERTY NUMBERS Total: 1													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12328853</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12328853								
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CORRESPONDENCE DATA													
Fax Number:	(603)668-2970												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	6036686560												
Email:	drobertson@gtp.com												
Correspondent Name:	Neil F. Maloney												
Address Line 1:	Grossman, Tucker, Perreault & Pflieger												
Address Line 2:	55 South Commercial Street												
Address Line 4:	Manchester, NEW HAMPSHIRE 03101												
ATTORNEY DOCKET NUMBER:	BAEP-1022												
NAME OF SUBMITTER:	Neil F. Maloney												

CH \$40.00 12328853

Total Attachments: 4

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Case No. BAEP-1022

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 Nashua, New Hampshire, 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:

MULTI-THICKNESS SEMICONDUCTOR WITH FULLY DEPLETED DEVICES AND PHOTONIC INTEGRATION

Filing date: _____ Application Number: _____

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 therefor; 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 the 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 possible 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 the 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: 12/4/08

Craig M. Hill
Craig M. Hill

Date Witness Signed: 12/4/08

[Signature]
[Witness signature]

Wesley Bankrodt
[Witness Printed Name]

Date Assignment Signed: 12/4/08

Andrew T. Pomerene
Andrew T. Pomerene

Date Witness Signed: 12/4/08

[Signature]
[Witness signature]

Wesley Bankrodt
[Witness Printed Name]

Date Assignment Signed: _____

Daniel N. Carothers

Date Witness Signed: _____

[Witness signature]

[Witness Printed Name]

Date Assignment Signed: 12/4/08

Timothy J. Conway
Timothy J. Conway

Date Witness Signed: 12/4/08

Margaret Strange
[Witness signature]

Margaret Strange
[Witness Printed Name]

Date Assignment Signed: 12/04/08

Vu A. Vu
Vu A. Vu

Date Witness Signed: 12/04/08

[Signature]
[Witness signature]

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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 the 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 possible 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 the 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.

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Date Assignment Signed: _____
_____ **Craig M. Hill**

Date Witness Signed: _____
_____ [Witness signature]

_____ [Witness Printed Name]

Date Assignment Signed: _____
_____ **Andrew T. Pomerene**

Date Witness Signed: _____
_____ [Witness signature]

_____ [Witness Printed Name]

Date Assignment Signed: 1/7/09 _____
_____ **Daniel N. Carothers**

Date Witness Signed: 1/7/09 _____
_____ [Witness signature]

Kimberly Carothers
_____ [Witness Printed Name]

Date Assignment Signed: _____
_____ **Timothy J. Conway**

Date Witness Signed: _____
_____ [Witness signature]

_____ [Witness Printed Name]

Date Assignment Signed: _____
_____ **Vu A. Vu**

Date Witness Signed: _____
_____ [Witness signature]

_____ [Witness Printed Name]