

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Thomas J. McIntyre</td> <td>07/03/2012</td> </tr> <tr> <td>Keith K. Sturcken</td> <td>07/03/2012</td> </tr> <tr> <td>Christy A. Hagerty</td> <td>07/03/2012</td> </tr> </tbody> </table>		Name	Execution Date	Thomas J. McIntyre	07/03/2012	Keith K. Sturcken	07/03/2012	Christy A. Hagerty	07/03/2012
Name	Execution Date								
Thomas J. McIntyre	07/03/2012								
Keith K. Sturcken	07/03/2012								
Christy A. Hagerty	07/03/2012								
RECEIVING PARTY DATA									
Name:	BAE Systems Information and Electronic Systems Integration Inc.								
Street Address:	65 Spit Brook Road								
Internal Address:	NHQ1-719								
City:	Nashua								
State/Country:	NEW HAMPSHIRE								
Postal Code:	03061-0868								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13547518</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13547518				
Property Type	Number								
Application Number:	13547518								
CORRESPONDENCE DATA									
Fax Number:	(512)343-6446								
Email:	Patents@yudellisidore.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Yudell Isidore Ng Russell PLLC								
Address Line 1:	8911 No. Capital of Texas Hwy.								
Address Line 2:	Suite 2110								
Address Line 4:	Austin, TEXAS 78759								
ATTORNEY DOCKET NUMBER:	BAEP-1309								
NAME OF SUBMITTER:	Antony P. Ng								
Total Attachments: 2 source=BAEP-1309-ExecutedAssignment#page1.tif source=BAEP-1309-ExecutedAssignment#page2.tif									

CH \$40.00 13547518

# 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 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:

## METHOD FOR FABRICATING SOLDER COLUMNS FOR A COLUMN GRID ARRAY PACKAGE

Filing date: 7/12/2012 Application Number: 13/547,518

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 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:

7/3/12

  
THOMAS J. MCINTYRE

Date Witness Signed:

7/3/12

  
[Witness signature]

Sandra L. Hyland  
[Witness Printed Name]

Date Assignment Signed:

7-3-12

K Sturcken

KEITH K. STURCKEN

Date Witness Signed:

7-3-2012

Nadim F Haddad

[Witness signature]

NADIM F HADDAD

[Witness Printed Name]

Date Assignment Signed:

7.3.12

Christy A. Hagerty

CHRISTY A. HAGERTY

Date Witness Signed:

7-3-12

S. Ramaswamy

[Witness signature]

S. Ramaswamy

[Witness Printed Name]