

PATENT ASSIGNMENT

Electronic Version v1.1
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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 style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bin LI</td> <td>12/04/2008</td> </tr> <tr> <td>Adam M. BUMGARNER</td> <td>12/03/2008</td> </tr> <tr> <td>Daniel PIRKL</td> <td>12/08/2008</td> </tr> </tbody> </table>		Name	Execution Date	Bin LI	12/04/2008	Adam M. BUMGARNER	12/03/2008	Daniel PIRKL	12/08/2008				
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RECEIVING PARTY DATA													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>BAE Systems Information and Electronic Systems Integration Inc.</td> </tr> <tr> <td>Street Address:</td> <td>65 Spit Brook Road</td> </tr> <tr> <td>Internal Address:</td> <td>NHQ1-719</td> </tr> <tr> <td>City:</td> <td>Nashua</td> </tr> <tr> <td>State/Country:</td> <td>NEW HAMPSHIRE</td> </tr> <tr> <td>Postal Code:</td> <td>03060</td> </tr> </table>		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:	03060
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CORRESPONDENCE DATA													
Fax Number: (603)885-2167 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: 603-885-9922 Email: maureen.miles@baesystems.com Correspondent Name: Maureen Miles Address Line 1: 65 Spit Brook Road Address Line 2: NHQ1-719 Address Line 4: Nashua, NEW HAMPSHIRE 03060													
ATTORNEY DOCKET NUMBER:	20060306												
NAME OF SUBMITTER:	Maureen Miles												
Total Attachments: 2													

CH \$40.00 12525482

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PATENT
REEL: 023295 FRAME: 0446

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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 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:

Read Reference Circuit For A Sense Amplifier Within A Chalcogenide Memory Device

Filing date: 7/31/2009 Application Number: 12/525,482

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.

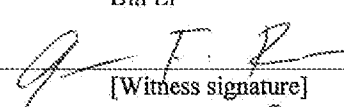
Date Assignment Signed:

12/4/2008


Bin Li

Date Witness Signed:

12/4/2008


[Witness signature]

Jason F. Ross
[Witness Printed Name]

PATENT

REEL: 023295 FRAME: 0448

Date Assignment Signed: 12/3/2008 Adam M. Bumgarner
Adam M. Bumgarner

Date Witness Signed: 12/3/2008 J. Bumgarner
[Witness signature]
Jennifer Bumgarner
[Witness Printed Name]

Date Assignment Signed: 12/8/2008 D. Pirk
Daniel Pirk

Date Witness Signed: 12/8/2008 Patrick Fleming
[Witness signature]
Patrick Fleming
[Witness Printed Name]