

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
John C. Deal	10/23/2007
Ralph Martinez	01/14/2007
Todd Haynes	10/22/2007
Walter G. Whimpenny	10/22/2007
Thai N. Nguyen	11/27/2007
Scott A. Burgan	11/20/2007
Kevin M. McNeill	10/22/2007
Alim Needham	10/22/2007

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:	03060

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11919297

CORRESPONDENCE DATA

Fax Number: (603)885-2167

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

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

PATENT

500453075

REEL: 020448 FRAME: 0583

CH \$40.00 11919297

Address Line 4: Nashua, NEW HAMPSHIRE 03060

ATTORNEY DOCKET NUMBER:

20050084

NAME OF SUBMITTER:

Maureen Miles

Total Attachments: 7

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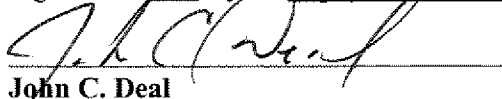
## ASSIGNMENT

For value received, I, John C. Deal, a citizen of the United States of America, do hereby sell and assign for myself and my heirs, successors, and assigns, to **BAE SYSTEMS Information And Electronic Systems Integration Inc.** (hereinafter referred to as the Company), a Delaware corporation, having a place of business at 65 Spit Brook Road, Nashua, New Hampshire 03061, its successors, assigns, and nominees, my entire right, title and interest, in the United States and its territorial possessions and in any and all foreign countries, in and to the invention relating to improvements in

### Interfacing Real And Virtual Networks In Hardware-In-The-Loop (HITL) Simulations

invented by me, Ralph Martinez, Todd Haynes, Walter G. Whimpenny, Thai N. Nguyen, Scott A. Burgan, Kevin McNeill, and Alim Needham an application for United States Patent therefor, identified by **Case No. 20050084** of the Company, and executed on even date herewith, and all divisions and continuations thereof, and all Patents which may be granted therefor and all reissues and extensions thereof together with all my rights in and to the said invention and any Patents that may hereafter be obtained therefor in any and all foreign countries including the right of priority under the International Convention based on the said application and the right of said Company to apply in its own name for Letters Patent therefor in any and all foreign countries, where legally permissible, and authorize and request the Commissioner of Patents and Trademarks to issue all United States Patents on said invention or resulting therefrom to said Company as assignee of the entire interest, and covenant that I have full right so to do, and agree that I will communicate to said Company or its representatives any facts known to me respecting said invention and testify in any legal proceeding, execute all divisional, continuing and reissue applications and all assignments of said invention, make all rightful oaths, sign all lawful papers, if and when required to do so, and generally do everything reasonably possible to aid said Company, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention in all countries.

Signed this 23 day of October, 2007

  
John C. Deal

Commonwealth of Virginia

ss

County of

On this 23rd day of October, 2007, before me appeared John C. Deal to me known and known to me or providing proper identification to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

My commission expires:

  
Notary Public/Justice of the Peace

My Commission Expires  
November 30, 2010

Signed this 14 day of January, 2007

Ralph Martinez  
Ralph Martinez

Commonwealth of Virginia

County of Stafford<sup>SS</sup>

On this 14 day of January, 2007, before me appeared Ralph Martinez to me known and known to me or providing proper identification to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

My commission expires:

Cynthia M. Smith  
Notary Public/Justice of the Peace

My Commission Expires  
November 30, 2010

Signed this 22 day of October, 2007

Todd Haynes  
Todd Haynes

Commonwealth of Virginia

County of Stafford<sup>SS</sup>, VA

On this 22nd day of October, 2007, before me appeared Todd Haynes to me known and known to me or providing proper identification to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

My commission expires:

Cynthia M. Smith  
Notary Public/Justice of the Peace

My Commission Expires  
November 30, 2010

Signed this 22 day of October, 2007

Walter G. Whimpenny  
Walter G. Whimpenny

Commonwealth of Virginia

County of Stafford, <sup>ss</sup> VA

On this 22nd day of October, 2007, before me Walter G. Whimpenny to me known and known to me or providing proper identification to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

My commission expires:

My Commission Expires  
November 30, 2010

Cynthia M. Smith  
Notary Public/Justice of the Peace

Signed this \_\_\_\_ day of \_\_\_\_\_, 2007

\_\_\_\_\_  
Thai N. Nguyen

Commonwealth of Virginia

County of \_\_\_\_\_<sup>ss</sup>

On this \_\_\_\_\_ day of \_\_\_\_\_, 2007, before me appeared Thai N. Nguyen to me known and known to me or providing proper identification to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

My commission expires:

\_\_\_\_\_  
Notary Public/Justice of the Peace

Signed this \_\_\_\_ day of \_\_\_\_\_, 2007

\_\_\_\_\_  
Scott A. Burgan

Commonwealth of Virginia

County of \_\_\_\_\_<sup>ss</sup>

On this \_\_\_\_\_ day of \_\_\_\_\_, 2007, before me appeared Scott A. Burgan to me known and known to me or providing proper identification to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

My commission expires:

\_\_\_\_\_  
Notary Public/Justice of the Peace

BAE Assignment.txt

Signed this            day of            , 2007

walter G. whimpenny

Commonwealth of Virginia

County of

55

On this                      day of                      , 2007,  
before me Walter G. Whimpenny  
to me known and known to me or providing proper identification to be the person  
described in and who executed the foregoing instrument, and he acknowledged the same  
to be his free act and deed.

My commission expires:

Notary Public/Justice of the

## Peace

Signed this 27th day of November, 2007

Thai N. Nguyen

Commonwealth of Virginia

County of

55

On this \_\_\_\_\_ day of \_\_\_\_\_, 2007,  
before me appeared Thai N. Nguyen  
to me known and known to me or providing proper identification to be the person  
described in and who executed the foregoing instrument, and he acknowledged the same  
to be his free act and deed.

~~My commission expires:~~

Notary Public/Justice of the

Peace

Signed this            day of            , 2007

Scott A. Burgan

Commonwealth of Virginia

County of

55

On this                day of                , 2007,  
before me appeared Scott A. Burgan  
to me known and known to me or providing proper identification to be the person  
described in and who executed the foregoing instrument, and he acknowledged the same  
to be his free act and deed.

My commission expires:

**PATENT**  
**REEL: 020448 FRAME: 0588**

Signed this \_\_\_\_ day of \_\_\_\_\_, 2007

\_\_\_\_\_  
**Walter G. Whimpenny**

Commonwealth of Virginia  
ss

County of

On this \_\_\_\_\_ day of \_\_\_\_\_, 2007, before me Walter G. Whimpenny to me known and known to me or providing proper identification to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

My commission expires:

\_\_\_\_\_  
Notary Public/Justice of the Peace

Signed this \_\_\_\_ day of \_\_\_\_\_, 2007

\_\_\_\_\_  
**Thai N. Nguyen**

Commonwealth of Virginia  
ss

County of

On this \_\_\_\_\_ day of \_\_\_\_\_, 2007, before me appeared Thai N. Nguyen to me known and known to me or providing proper identification to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

My commission expires:

\_\_\_\_\_  
Notary Public/Justice of the Peace

Signed this 20 day of November, 2007

Scott A. Burgan  
**Scott A. Burgan**

Commonwealth of Virginia  
ss

County of

On this \_\_\_\_\_ day of \_\_\_\_\_, 2007, before me appeared Scott A. Burgan to me known and known to me or providing proper identification to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

My commission expires:

\_\_\_\_\_  
Notary Public/Justice of the Peace

S.A.B.

Signed this 22 day of October, 2007

K. McNeill  
Kevin McNeill

Commonwealth of Virginia

County of Stafford <sup>ss</sup> VA

On this 22nd day of October, 2007, before me appeared Kevin McNeill to me known and known to me or providing proper identification to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

My commission expires:

Cynthia M. Smith  
Notary Public/Justice of the Peace

My Commission Expires  
November 30, 2010

Signed this \_\_\_\_ day of \_\_\_\_\_, 2007

\_\_\_\_\_  
Alim Needham

Commonwealth of Virginia

<sup>ss</sup>

County of \_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 2007, before me appeared Alim Needham to me known and known to me or providing proper identification to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

My commission expires:

\_\_\_\_\_  
Notary Public/Justice of the Peace



Signed this \_\_\_\_ day of \_\_\_\_\_, 2007

Kevin McNeill

Commonwealth of Virginia

ss

County of

On this \_\_\_\_ day of \_\_\_\_\_, 2007, before me appeared Kevin McNeill to me known and known to me or providing proper identification to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

My commission expires:

\_\_\_\_\_  
Notary Public/Justice of the Peace

Signed this 22 day of OCTOBER, 2007

Alim Needham

**Alim Needham**

Commonwealth of Virginia

ss

40  
County of Alexandria

On this 22 day of OCTOBER, 2007, before me appeared Alim Needham to me known and known to me or providing proper identification to be the person described in and who executed the foregoing instrument, and he acknowledged the same to be his free act and deed.

My commission expires:

9/30/2011

J. Patrick Murphy  
Notary Public/Justice of the Peace

