

# PATENT ASSIGNMENT

Electronic Version v1.1  
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|--------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| SUBMISSION TYPE:                                                                     | NEW ASSIGNMENT                                                  |
| NATURE OF CONVEYANCE:                                                                | ASSIGNMENT                                                      |
| CONVEYING PARTY DATA                                                                 |                                                                 |
| Name                                                                                 | Execution Date                                                  |
| Thomas P. McElwain                                                                   | 11/25/2003                                                      |
| 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                                                            |                                                                 |
| Property Type                                                                        | Number                                                          |
| Application Number:                                                                  | 10531772                                                        |
| CORRESPONDENCE DATA                                                                  |                                                                 |
| Fax Number:                                                                          | (603)886-4796                                                   |
| <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> |                                                                 |
| Phone:                                                                               | 603-886-6100                                                    |
| Email:                                                                               | Patents@MaineandAsmus.com                                       |
| Correspondent Name:                                                                  | Scott J. Asmus                                                  |
| Address Line 1:                                                                      | Maine & Asmus, PO Box 3445                                      |
| Address Line 4:                                                                      | Nashua, NEW HAMPSHIRE 03061-3445                                |
| NAME OF SUBMITTER:                                                                   | Scott J. Asmus                                                  |
| Total Attachments: 1<br>source=Assignment#page1.tif                                  |                                                                 |

CH \$40.00 10531772

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**PATENT**  
**REEL: 015999 FRAME: 0543**  
 Collision Communications, Inc. EX2012  
 Case No.: IPR2024-01500  
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**ASSIGNMENT**

For good and valuable consideration acknowledged and received Thomas P. McElwain a citizen of the United States of America, residing at the address set forth below next to my name, does 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, our 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

**JOINT SYMBOL, AMPLITUDE, AND RATE ESTIMATOR**

invented by me and the application for United States Patent therefor, identified by Docket No. 2003-0076 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 at Merrimack, N.H. this 25 day of November, 2003

  
Thomas P. McElwain

21 Sarah Drive, Merrimack, NH 03054  
Residence Address

State of New Hampshire  
County of Hillsborough) ss

On this 25 day of November, 2003, before me appeared ☐ Thomas P. McElwain, known to me or providing satisfactory identification to be the person described in and who executed the foregoing instrument, and he/she acknowledged the same to be his/her free act and deed.

My commission expires:

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

10:00/2005 P.0022 4796 6038850631

**RECORDED: 05/11/2005**

NOV-25-2003 16:43 BAE SYSTEMS MERIS

**PATENT**  
**REEL: 015999 FRAME: 0544**

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