

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| <b>SUBMISSION TYPE:</b>  | NEW ASSIGNMENT                    |               |                                   |                        |                         |              |            |                       |            |                     |       |
|--|-----------------------------------|---------------|-----------------------------------|------------------------|-------------------------|--------------|------------|-----------------------|------------|---------------------|-------|
| <b>NATURE OF CONVEYANCE:</b>   | ASSIGNMENT                        |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <b>CONVEYING PARTY DATA</b>  |                                   |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <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>Gerardo ORLANDO</td> <td>10/30/2009</td> </tr> <tr> <td>David KING</td> <td>10/30/2009</td> </tr> <tr> <td>Mark KRUMPOCH</td> <td>10/30/2009</td> </tr> </tbody> </table>  |                                   | Name          | Execution Date                    | Gerardo ORLANDO        | 10/30/2009              | David KING   | 10/30/2009 | Mark KRUMPOCH         | 10/30/2009 |                     |       |
| Name   | Execution Date                    |               |                                   |                        |                         |              |            |                       |            |                     |       |
| Gerardo ORLANDO  | 10/30/2009                        |               |                                   |                        |                         |              |            |                       |            |                     |       |
| David KING   | 10/30/2009                        |               |                                   |                        |                         |              |            |                       |            |                     |       |
| Mark KRUMPOCH  | 10/30/2009                        |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <b>RECEIVING PARTY DATA</b>  |                                   |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><b>Name:</b></td> <td>GENERAL DYNAMICS C4 SYSTEMS, INC.</td> </tr> <tr> <td><b>Street Address:</b></td> <td>8201 East McDowell Road</td> </tr> <tr> <td><b>City:</b></td> <td>Scottsdale</td> </tr> <tr> <td><b>State/Country:</b></td> <td>ARIZONA</td> </tr> <tr> <td><b>Postal Code:</b></td> <td>85257</td> </tr> </table> |                                   | <b>Name:</b>  | GENERAL DYNAMICS C4 SYSTEMS, INC. | <b>Street Address:</b> | 8201 East McDowell Road | <b>City:</b> | Scottsdale | <b>State/Country:</b> | ARIZONA    | <b>Postal Code:</b> | 85257 |
| <b>Name:</b>   | GENERAL DYNAMICS C4 SYSTEMS, INC. |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <b>Street Address:</b>   | 8201 East McDowell Road           |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <b>City:</b>   | Scottsdale                        |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <b>State/Country:</b>  | ARIZONA                           |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <b>Postal Code:</b>  | 85257                             |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <b>PROPERTY NUMBERS Total: 1</b>   |                                   |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12609888</td> </tr> </tbody> </table>  |                                   | Property Type | Number                            | Application Number:    | 12609888                |              |            |                       |            |                     |       |
| Property Type  | Number                            |               |                                   |                        |                         |              |            |                       |            |                     |       |
| Application Number:  | 12609888                          |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <b>CORRESPONDENCE DATA</b>   |                                   |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <p>Fax Number: (480)385-5061<br/> <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 480-385-5060<br/>         Email: jehrlich@ifllaw.com<br/>         Correspondent Name: INGRASSIA FISHER &amp; LORENZ, P.C.<br/>         Address Line 1: 7010 E. Cochise Road<br/>         Address Line 4: Scottsdale, ARIZONA 85253</p>  |                                   |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <b>ATTORNEY DOCKET NUMBER:</b>   | 014.0381 (IAD TAU 10055)          |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <b>NAME OF SUBMITTER:</b>  | Brett A. Carlson                  |               |                                   |                        |                         |              |            |                       |            |                     |       |
| <p>Total Attachments: 3<br/>         source=20091030_Assign#page1.tif<br/>         source=20091030_Assign#page2.tif</p>  |                                   |               |                                   |                        |                         |              |            |                       |            |                     |       |

CH \$40.00 12609888

**501003085**

**PATENT**  
**REEL: 023452 FRAME: 0029**



## ASSIGNMENT

**WHEREAS**, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") have invented:

### SYSTEMS AND METHODS FOR EFFICIENTLY CREATING DIGESTS OF DIGITAL DATA

for which application for Letters Patent of the United States:

☐ has been executed on even date herewith;

☐ executed on \_\_\_\_\_;

☒ was filed on October 30, 2009 and assigned U.S. Application Serial No. 12/609,888;

**AND WHEREAS**, GENERAL DYNAMICS C4 SYSTEMS, INC., a corporation having a place of business at 8201 East McDowell Road, Scottsdale, Arizona 85257 and (hereinafter "ASSIGNEE"), and successors, assigns, and legal representatives, is desirous of acquiring an interest therein;

**AND WHEREAS**, a "formal application," as referred to herein, shall mean any provisional, nonprovisional, continuation, continuation in part, continued prosecution, substitute, renewal, extension, divisional, reissue, reexamination, foreign, Patent Cooperation Treaty (PCT) or other patent application, inventor's certificate, or like document;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right to the aforesaid application, to the invention as described in the aforesaid application, and to any formal application which may be filed based in whole or in part on the aforesaid application, in the United States and all foreign countries, together with the right of priority under any international agreements to which the United States currently adheres and adheres to in the future, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

**AND ASSIGNOR HEREBY AGREES** to transfer, upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, a like interest in and to any improvements and formal applications based thereon, growing out of or relating to the invention; and, without further remuneration, to provide all reasonable assistance and execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, to preserve and/or acquire ASSIGNEE's full protection and title in and to the invention hereby transferred and any improvements therein,

**ASSIGNOR AGREEING, FURTHERMORE**, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of formal applications based on the invention or improvements therein, and the perfecting of title thereto in ASSIGNEE.

**ASSIGNOR** hereby authorizes General Dynamics C4 Systems, Inc., its successors and assigns, its legal representatives, or anyone it may properly designate, to insert in this instrument the filing date and/or serial number of said application when ascertained.

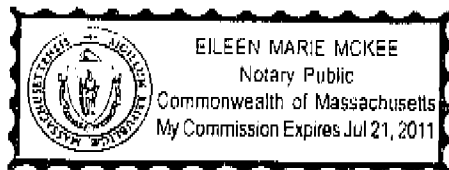
EXECUTED as of the date(s) written below by ASSIGNOR:

Inventor's Signature: *Gerardo Orlando* Date: 10/30/2009

Inventor's Printed Name: **Gerardo ORLANDO**

STATE OF Massachusetts )  
COUNTY OF Norfolk )

On this 30 day of October, 2009, before me personally came the above named Gerardo Orlando who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



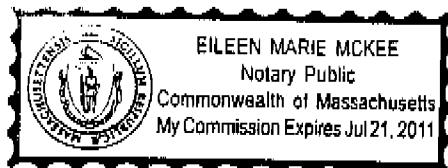
*Eileen M. McKee*  
NOTARY PUBLIC  
My Commission Expires: July 21, 2011

IF&amp;L Form - Assignment

Attorney Docket No.: 014.0381

Inventor's Signature: David R KingDate: 10/30/2009Inventor's Printed Name: **David KING**STATE OF Massachusetts )  
COUNTY OF Norfolk )

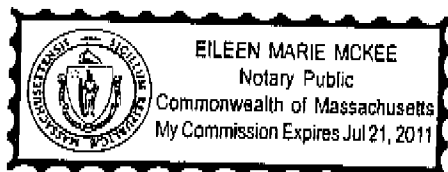
On this 30 day of October, 2009, before me personally came the above named David King who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



Eileen M McKee  
NOTARY PUBLIC  
My Commission Expires: July 21, 2011

Inventor's Signature: Mark KrumpochDate: 10/30/2009Inventor's Printed Name: **Mark KRUMPOCH**STATE OF Massachusetts )  
COUNTY OF Norfolk )

On this 30 day of October, 2009, before me personally came the above named Mark Krumpoch who is personally known by me or proved to me on the basis of satisfactory evidence to be the same individual who executed the foregoing assignment, and who acknowledged to me that he/she executed the same of his/her own free will for the use and purposes therein set forth.



Eileen M McKee  
NOTARY PUBLIC  
My Commission Expires: July 21, 2011