

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>Eric Michael Mrozek</td> <td>11/19/2010</td> </tr> <tr> <td>Scott Lee Sing</td> <td>11/19/2010</td> </tr> </tbody> </table> | | Name | Execution Date | Eric Michael Mrozek | 11/19/2010 | Scott Lee Sing | 11/19/2010 | | | | |
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| Eric Michael Mrozek | 11/19/2010 | | | | | | | | | | |
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| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Northrop Grumman Systems Corporation</td> </tr> <tr> <td>Street Address:</td> <td>1840 Century Park East</td> </tr> <tr> <td>City:</td> <td>Los Angeles</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>90067</td> </tr> </table> | | Name: | Northrop Grumman Systems Corporation | Street Address: | 1840 Century Park East | City: | Los Angeles | State/Country: | CALIFORNIA | Postal Code: | 90067 |
| Name: | Northrop Grumman Systems Corporation | | | | | | | | | | |
| Street Address: | 1840 Century Park East | | | | | | | | | | |
| City: | Los Angeles | | | | | | | | | | |
| State/Country: | CALIFORNIA | | | | | | | | | | |
| Postal Code: | 90067 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <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>12953254</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12953254 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 12953254 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: (248)858-4201</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 248-858-4200</p> <p>Email: cardinale@milleripgroup.com</p> <p>Correspondent Name: John A. Miller</p> <p>Address Line 1: 42690 Woodward, Ste. 200</p> <p>Address Line 4: Bloomfield Hills, MICHIGAN 48304</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | NGC-00119(002168-804) | | | | | | | | | | |
| NAME OF SUBMITTER: | John A. Miller | | | | | | | | | | |
| <p>Total Attachments: 2</p> <p>source=NGC-00119_assignment#page1.tif</p> <p>source=NGC-00119_assignment#page2.tif</p> | | | | | | | | | | | |

OP \$40.00 12953254

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PATENT
REEL: 025400 FRAME: 0839

ASSIGNMENT

WHEREAS, I, Eric Michael Mrozek, together with Scott Lee Sing, hereinafter referred to as Assignors, have jointly invented certain new and useful improvements in a HIGH-ORDER WIDE BAND MODULATORS AND MULTIPLYING DIGITAL-TO-ANALOG CONVERTERS USING DISTRIBUTED WEIGHTING NETWORKS, described in an application for United States Letters Patent, executed by us on the date as stated below;

WHEREAS, Northrop Grumman Systems Corporation, a Delaware corporation, having its principal place of business at 1840 Century Park East, Los Angeles, California 90067, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title and interest in, to and under said improvements and said application:

NOW, THEREFORE, in consideration of Assignors' obligations to Northrop Grumman Systems Corporation, and for other good and valuable consideration, the receipt and sufficiency is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, Assignors' entire right, title and interest in, to and under said improvements, and said application and all divisions, renewals, continuations, and continuations-in-part thereof, and all United States Letters Patent which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, including the full right to claim for any such application the priority benefits of the International Convention for the Protection of Industrial Property and other priority-conferring treaties, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, divisions, continuations, continuations-in-part, renewals and reissues thereof; and Assignor hereby authorizes and requests 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 all Letters Patent for said improvements to said Assignee, its successors, legal representatives and assigns, in accordance with the terms of this instrument;

Assignors hereby acknowledge that at the time of making the improvements herein identified, Assignors were under an obligation to assign to Assignee, Assignors' entire right, title and interest in, to and under said improvements;

Assignors hereby covenant that Assignors have full right to convey the interest herein assigned, and that Assignors have not executed, and will not execute, any agreement in conflict herewith and that Assignee, Northrop Grumman Systems Corporation, its successors, assigns and other legal representatives shall have the right to hold and enjoy for its and their own use and benefit, to the end of the term or terms for which such Letters Patent shall or may be granted, reissued or extended as fully and completely as the same right or could have been held and enjoyed by Assignors had this Assignment not been made.

Assignors hereby further covenant and agree to communicate to Assignee, its successors, legal representatives and assigns, any and all facts known to Assignors respecting said improvements; to promptly provide Assignee with all documents relating to said improvements, said invention, and said Letters Patent as may be known or accessible to Assignors; to testify as to the same in any interference or litigation or other legal proceedings related thereto; to sign all lawful papers, execute all extensions, continuations, continuations-in-part, divisional and reissue applications; and to make all rightful oaths or declarations and generally do everything possible to aid Assignee, its successors, legal representatives and assigns in obtaining and enforcing all the rights herein conveyed for said improvements in all countries without further compensation, but at the expense of Assignee, its successors, legal representatives and assigns.

IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this 19th day of November, 2010, and has executed the referenced patent application on the 19th day of November, 2010.

Erik Michael Mrozek
Eric Michael Mrozek, Assignor

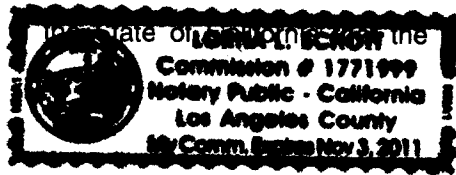
STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On November 19, 2010 before me, Lorna L. Schott, Notary Public, personally appeared Erik Michael Mrozek, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Lorna L. Schott
Notary's Signature



(Notary Seal)

IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this 19th day of November, 2010, and has executed the referenced patent application on the 19th day of November, 2010.

Scott Lee Sing
Scott Lee Sing, Assignor

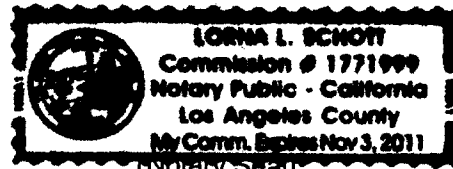
STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On November 19, 2010 before me, Lorna L. Schott, Notary Public, personally appeared Scott Lee Sing, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

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(Notary Seal)