

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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Xing Lan</td> <td>11/01/2007</td> </tr> <tr> <td>Mark Kintis</td> <td>11/01/2007</td> </tr> <tr> <td>Flavia S. Fong</td> <td>11/01/2007</td> </tr> </tbody> </table>		Name	Execution Date	Xing Lan	11/01/2007	Mark Kintis	11/01/2007	Flavia S. Fong	11/01/2007
Name	Execution Date								
Xing Lan	11/01/2007								
Mark Kintis	11/01/2007								
Flavia S. Fong	11/01/2007								
RECEIVING PARTY DATA									
Name:	Northrop Grumman Space and Mission Systems Corporation								
Street Address:	1840 Century Park East								
City:	Los Angeles								
State/Country:	CALIFORNIA								
Postal Code:	90067-2199								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11934310</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11934310				
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Application Number:	11934310								
CORRESPONDENCE DATA									
Fax Number:	(216)621-4072								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	216.621.2234								
Email:	lpringle@tarolli.com								
Correspondent Name:	Christopher P. Harris								
Address Line 1:	1300 East Ninth Street								
Address Line 2:	Suite 1700								
Address Line 4:	Cleveland, OHIO 44114								
ATTORNEY DOCKET NUMBER:	NG(ST)8632								
NAME OF SUBMITTER:	Christopher P. Harris								

Total Attachments: 2
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500389976

PATENT
REEL: 020060 FRAME: 0472

OP \$40.00 11934310

ASSIGNMENT

WHEREAS, I, Xing Lan, hereinafter referred to as Assignor, together with Mark Kintis and Flavia S. Fong, have jointly invented certain new and useful improvements in Non Linear Transmission Line Modulator, described in an application for United States Letters Patent, executed by me on the date as stated below;

WHEREAS, Northrop Grumman Space and Mission Systems Corporation, an Ohio corporation, having its principal place of business at 1840 Century Park East, Los Angeles, California 90067-2199, hereinafter referred to as Assignee, is desirous of acquiring the entire right, title and interest in, to and under said improvements and said application:

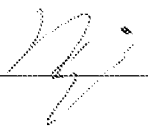
NOW, THEREFORE, in consideration of Assignor's obligations to Northrop Grumman Space & Mission Systems Corporation, and for other good and valuable consideration, the receipt and sufficiency is hereby acknowledged, Assignor has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, Assignor's 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;

Assignor hereby acknowledges that at the time of making the improvements herein identified, Assignor was under an obligation to assign to Assignee, Assignor's entire right, title and interest in, to and under said improvements;

Assignor hereby covenants that Assignor has full right to convey the interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith and that Assignee, Northrop Grumman Space & Mission 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 Assignor had this Assignment not been made.

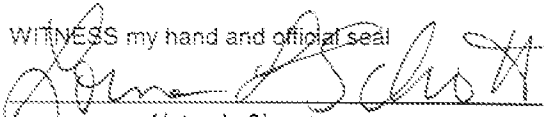
Assignor hereby further covenants and agrees to communicate to Assignee, its successors, legal representatives and assigns, any and all facts known to Assignor respecting said improvements; to promptly provide Assignee with all documents relating to said improvements, said invention, and said Letters Patent as may be known or accessible to Assignor; 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.

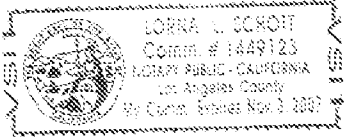
IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this 1st day of November, 2007, and has executed the referenced patent application on the 1st day of November, 2007.

Xing Lan  11/01/07

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

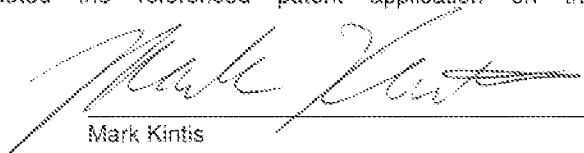
On November 1, 2007 before me, Lorna L. Schott, Notary Public, personally appeared Xing Lan, personally known to me - ~~or proved to me on the basis of satisfactory evidence~~ to be the person(s) whose name(s) is/are subscribed to this instrument and acknowledge to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument to be the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Notary's Signature



(Seal)

IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this 1st day of November 2007, and has executed the referenced patent application on the 1st day of November, 2007.

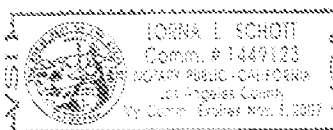

Mark Kintis

STATE OF CALIFORNIA)) ss
COUNTY OF LOS ANGELES)

On November 1, 2007 before me, Lorna L. Schott, Notary Public, personally appeared Mark Kintis, personally known to me ~~or - proved to me on the basis of satisfactory evidence~~ to be the person(s) whose name(s) is/are subscribed to this instrument and acknowledge to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument to be the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

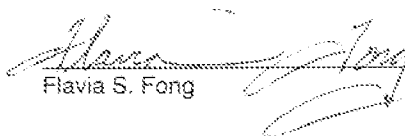
WITNESS my hand and official seal


Notary's Signature



(Seal)

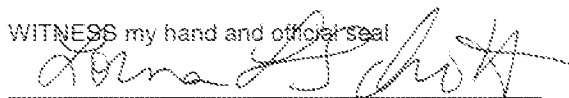
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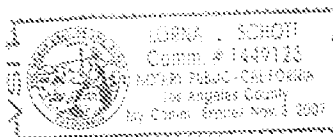

Flavia S. Fong

STATE OF CALIFORNIA)) ss
COUNTY OF LOS ANGELES)

On November 1, 2007 before me, Lorna L. Schott, Notary Public, personally appeared Flavia S. Fong, personally known to me - or - proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to this instrument and acknowledge to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~ signature(s) on the instrument to be the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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(Seal)