

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>John A Starkovich</td> <td>01/16/2012</td> </tr> <tr> <td>Edward M Silverman</td> <td>01/16/2012</td> </tr> <tr> <td>Hsiao-Hu Peng</td> <td>01/16/2012</td> </tr> </tbody> </table>		Name	Execution Date	John A Starkovich	01/16/2012	Edward M Silverman	01/16/2012	Hsiao-Hu Peng	01/16/2012
Name	Execution Date								
John A Starkovich	01/16/2012								
Edward M Silverman	01/16/2012								
Hsiao-Hu Peng	01/16/2012								
RECEIVING PARTY DATA									
Name:	Northrop Grumman Systems Corporation								
Street Address:	2980 Fairview Park Drive								
City:	Falls Church								
State/Country:	VIRGINIA								
Postal Code:	22042-4511								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13351759</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13351759				
Property Type	Number								
Application Number:	13351759								
CORRESPONDENCE DATA									
Fax Number:	(312)346-2810								
Phone:	312-346-2800								
Email:	info@cplawgroup.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Carmen Patti Law Group, LLC								
Address Line 1:	One N. LaSalle Street								
Address Line 2:	44th Floor								
Address Line 4:	Chicago, ILLINOIS 60602								
ATTORNEY DOCKET NUMBER:	NGC-369/005275-804								
NAME OF SUBMITTER:	Carmen B Patti								
Total Attachments: 4 source=ASSGN#page1.tif source=ASSGN#page2.tif source=ASSGN#page3.tif source=ASSGN#page4.tif									

OP \$40.00 13351759

## ASSIGNMENT

WHEREAS, I, John A. Starkovitch, hereinafter referred to as Assignor  
 together with Edward M. Silverman and Hsiao-Hu Peng  
 have jointly invented certain new and useful improvements in CARBON NANOTUBE CONDUCTOR WITH ENHANCED  
ELECTRICAL CONDUCTIVITY  
 described in an application for United States Letters Patent, executed by me on the date as stated below:

WHEREAS, Northrop Grumman Systems Corporation, a Delaware corporation, having its principal place of business at  
 2980 Fairview Park Drive  
 Falls Church, VA 22042-4511  
 United States of America

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 Systems Corporation, and for other good and valuable consideration, the receipt and sufficiency of which 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 that may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent that 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 that 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 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 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 16 day of JANUARY, 2012, and has executed the referenced patent application on the 16 day of JANUARY, 2012

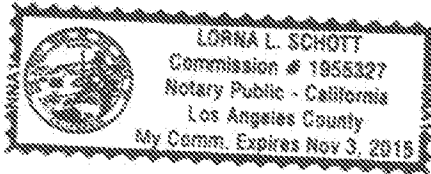
John A. Starkovich  
John A. Starkovich

STATE OF CALIFORNIA )  
 ) ss  
COUNTY OF LOS ANGELES )

On January 16, 2012 before me, Lorna L. Schott, Notary Public, personally appeared John A. Starkovich, proved to me on the basis of satisfactory evidence to be the person(~~s~~) whose name(~~s~~) is/~~are~~ subscribed to this instrument and acknowledged 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.

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



(Seal)

IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this 16th day of January, 2012 and has executed the referenced patent application on the 16th day of January, 2012.

Hsiao-Hu Peng  
Hsiao-Hu Peng

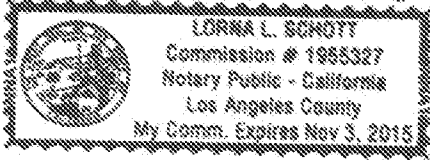
STATE OF CALIFORNIA )  
  ) ss  
COUNTY OF LOS ANGELES )

On January 16, 2012, before me, Lorna L Schott, Notary Public, personally appeared Hsiao-Hu Peng, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature on the instrument to be 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



(Seal)

IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this 16<sup>th</sup> day of January, 2012 and has executed the referenced patent application on the 16<sup>th</sup> day of January, 2012

Edward M. Silverman  
Edward M. Silverman

STATE OF CALIFORNIA )  
  ) ss  
COUNTY OF LOS ANGELES )

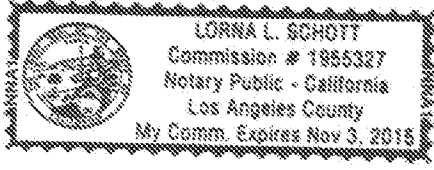
On January 16<sup>th</sup>, 2012 before me, Lorna L. Schott, Notary Public, personally appeared Edward M. Silverman, proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to this instrument and acknowledged to me that he/she/they executed the same in his/her/their 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.

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



(Seal)