

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>NATHAN BLUZER</td> <td>03/21/2013</td> </tr> <tr> <td>JAMES HALVIS</td> <td>03/25/2013</td> </tr> </tbody> </table>		Name	Execution Date	NATHAN BLUZER	03/21/2013	JAMES HALVIS	03/25/2013
Name	Execution Date						
NATHAN BLUZER	03/21/2013						
JAMES HALVIS	03/25/2013						
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>13838245</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13838245		
Property Type	Number						
Application Number:	13838245						
CORRESPONDENCE DATA							
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<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	216-621-2234						
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ATTORNEY DOCKET NUMBER:	NG(ES)021823 US PRI						
NAME OF SUBMITTER:	Christopher P. Harris						
Signature:	/Christopher P Harris/						
Date:	06/18/2013						
Total Attachments: 2 source=ES021823Assignment#page1.tif source=ES021823Assignment#page2.tif							

OP \$40.00 13838245

ASSIGNMENT

WHEREAS, I, NATHAN BLUZER, together with JAMES HALVIS hereinafter referred to as Assignor have jointly invented certain new and useful improvements in **STARING FOCAL PLANE SENSOR SYSTEMS AND METHODS FOR IMAGING LARGE DYNAMIC RANGE SCENES**, for which application for Letters Patent of the United States has been filed on 15 March 2013 under Serial No. 13/838245;

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 21 day of March, 2013, and has executed the referenced patent application on the 21 day of March, 2013.

Nathan Bluzer
NATHAN BLUZER

STATE OF MARYLAND)

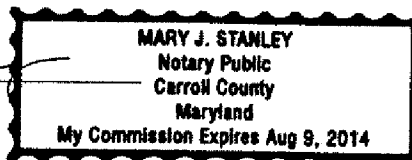
COUNTY OF Anne Arundel ^{SS}

On March 21, 2013 before me, Mary J. Stanley, personally appeared NATHAN BLUZER, 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 Maryland that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Mary J. Stanley
Notary's Signature



(SEAL)

IN WITNESS WHEREOF, the undersigned has executed and delivered this instrument this 25 day of March, 2013, and has executed the referenced patent application on the 25 day of March, 2013.

James Halvis
JAMES HALVIS

STATE OF MARYLAND)

COUNTY OF Anne Arundel^{SS}

On March 25 2013 before me, Mary J. Stanley, personally appeared JAMES HALVIS, 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 Maryland that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Mary J. Stanley
Notary's Signature

(SEAL)

