

10/20/06



103328266

To the Honorable Commissioner of Patents and Traden

nents or copy thereof.

Name of conveying party(ies):

Name and address of receiving party(ies):

David Charles Clark

Name: Northrop Grumman Space & Missions Systems Corp.

Additional name(s) of conveying party(ies) attached?  Yes  No

Address: 1840 Century Park East Los Angeles, CA 90067-2199

3. Nature of Conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date(s) 10/20/06

Additional name(s) & address(es) attached?  Yes  No

112948 U.S. PTO 11/584212



102006

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date(s) of the application is (are): 10/20/06

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Carmen B. Patti  
Carmen B. Patti & Associates, LLC  
Customer Number 32205

Docket No.: NGC-315/001383-804

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.4):..... \$ 40.00

- Enclosed
- Authorized to be charged to business credit card

8. Deposit account number:

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Carmen B. Patti  
Name of Person Signing  
Reg. No. 26,784

*Carmen B. Patti*  
Signature

October 20, 2006  
Date

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner for Patents  
Mail Stop Assignments  
P. O. Box 1450  
Alexandria, VA 22313-1450

10/24/2006 SPELEKE1 00000024 11584212

US FC:8021

(40.00 GP)

ASSIGNMENT

WHEREAS, I, David Charles Clark, hereinafter referred to as Assignor have invented certain new and useful improvements in Signal Processing for Accelerating Moving Targets

described in an application for United States Letters Patent, executed by me on the date as stated below;

WHEREAS, Northrop Grumman Space & Mission Systems Corp., an Ohio 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 Assignor's obligations to Northrop Grumman Space & Mission Systems Corp., 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 Corp., 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 20<sup>th</sup> day of October, 2006, and has executed the referenced patent application on the 20<sup>th</sup> day of October, 2006.

David Charles Clark  
David Charles Clark

STATE OF California )  
COUNTY OF Los Angeles ) ss

On October 20, 2006 before me, Lorna L. Schott, Notary Public, personally appeared David Charles Clark, 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  
Lorna L. Schott  
Notary's Signature



(Seal)