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To the Honorable Commissioner of Patents

Name of conveying party(ies):

Mr. Sanan Shaibani,  
Mr. John Mansell,Mr. Joseph Krystkowiak,  
Mr. Akbar Arab-SadenghabadiAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date(s): for each conveying  
party: October 8, 2004

(original documents or copy thereof.)

Name and address of receiving party(ies):

Name: Northrop Grumman Corporation

Address: 21240 Burbank Boulevard  
Woodland Hills, CA 91367-6675Additional name(s) & address(es) attached? ☐ Yes ☒ No

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): October 14, 2004.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence concerning  
document should be mailed:Patrick F. Bright, Esq.  
BRIGHT & LORIG, P.C.  
633 West Fifth Street, Suite 3330  
Los Angeles, CA 90071

Atty. Docket No.: D9455

6. Total number of applications and patents involved: 1

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

☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number: 02-3823

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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.

Patrick F. Bright

Name of Person Signing

Reg. No. 24,318

Signature

October 14, 2004  
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  
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PATENT  
REEL: 016841 FRAME: 0008

NGC Disclosure 00056-199

Atty. Docket D9455

**ASSIGNMENT**

WHEREAS, I/we the undersigned, Mr. Sanan Shaibani, Mr. Joseph Krystkowiak, Mr. John Mansell, and Mr. Akbar Arab Sadenghabadi, citizens of the United States, residing at 4762 Galendo Street, Woodland Hills, CA 91364; 11972 Berrybrook Ct., Moorpark, CA 93021; 46 Magellan St., Thousand Oaks, CA 91360; and 1513 Branch Ave., Simi Valley, CA 93063, respectively, have invented a new and useful **OPTICAL SENSOR FIBER WITH PROTECTIVE JACKETING LAYERS**, Attorney Docket No. D9455 for which application for Letters Patent was filed on October 14, 2004 and assigned Serial No. \_\_\_\_\_;

WHEREAS, we verily believe ourselves to be the original, first and sole inventors of the invention set forth in said application for Letters Patent and represent that we have not conveyed or hypothecated any right or interest therein; and

WHEREAS, Northrop Grumman Corporation, a Delaware corporation, having an office at 21240 Burbank Boulevard, Woodland Hills, California 91367-6675, (hereinafter referred to as NORTHROP) is desirous of obtaining the entire and exclusive right, title and interest in, to said invention, and any and all patent applications which may be filed thereon, and any and all Letters Patent which may be granted or issued therefore in the United States and throughout the world, including any and all divisions, continuations, reissues and extensions of any of the foregoing.

NOW, THEREFORE, in consideration of obligations voluntarily assumed by us and other good and valuable consideration, and for the further consideration of the sum of One Dollar (\$1.00) paid to each of us, receipt of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire right and exclusive right, title and interest in and to said invention, patent applications and Letters Patents which may be granted or issued for said invention in the United States and throughout the world, including all divisions, continuations, reissues and extensions thereof, and all international priority rights associated therewith, all to be held by us had this assignment not been made; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United

**PATENT****REEL: 016841 FRAME: 0009**

## ASSIGNMENT

Mr. Sanan Shaibani, Mr. Joseph Krystkowiak  
Mr. John Mansell, Mr. Akbar Arab-Sadenghabadi

NGC Disclosure. 00059-199  
Atty. Docket D9455

States and duly constituted authorities of foreign countries to issue all Letters Patent relating to the foregoing assigned rights to said assignee, its successors and assigns.

I/We, agree that we will at all times keep said assignee advised of our whereabouts; and we will promptly, upon request of said assignee, and without further compensation, but at no out-of-pocket expense to ourselves, do all lawful acts, including the execution of all necessary documents and the giving of testimony that, in the opinion of the assignee, its successors and assigns, may be necessary or desirable for obtaining, sustaining, or reissuing United States and foreign Letters Patent relating to the foregoing assigned rights, and for perfecting, affirming, recording, and maintaining the title of said assignee, its successors and assigns thereto; and that we will generally cooperate to the fullest extent in all matters pertaining to said invention and patent and said assignee's title thereto.

IN WITNESS WHEREOF, I have executed this instrument, consisting of five pages, at WOODLAND HILLS, California on the date indicated adjacent to my name.

Dated: 10/8/04

By: [Signature]

Sanan Shaibani

STATE OF CALIFORNIA )  
 ) ss:  
COUNTY OF )

On the 8TH day of OCTOBER, 2004, before me, BETH A. COOK, Notary Public, personally appeared SANAN SHAIBANI, 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/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person executed the instrument.

Witness my hand and official seal.

[Signature]  
Notary Public

My commission expires:

8-16-2006



PATENT

REEL: 016841 FRAME: 0010

## ASSIGNMENT

Mr. Sanan Shaibani, Mr. Joseph Krystkowiak  
Mr. John Mansell, Mr. Akbar Arab-Sadenghabadi

NGC Disclosure. 00059-199  
Atty. Docket D9455

IN WITNESS WHEREOF, I have executed this instrument, consisting of five pages, at  
WFOODLAND HILLS, California on the date indicated adjacent to my name.

Dated: 10/8/04 By: [Signature]  
Joseph Krystkowiak

STATE OF CALIFORNIA )  
 ) ss:  
COUNTY OF )

On the 8TH day of OCTOBER, 2004, before me, BETH A. COOK, Notary Public,  
personally appeared JOSEPH KRYSWKOWIAK, 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 ~~she~~ executed the same in his ~~her~~ authorized capacity, and that by his ~~her~~ signature  
on the instrument the person executed the instrument.

Witness my hand and official seal.

[Signature]  
Notary Public

My commission expires:

8-16-2006



## ASSIGNMENT

Mr. Sanan Shaibani, Mr. Joseph Krystkowiak  
Mr. John Mansell, Mr. Akbar Arab-Sadenghabadi

NGC Disclosure. 00059-199  
Atty. Docket D9455

IN WITNESS WHEREOF, I have executed this instrument, consisting of five pages, at WOODLAND HILLS, California on the date indicated adjacent to my name.

Dated: 10-8-04

By:

John Mansell

STATE OF CALIFORNIA )  
COUNTY OF ) ss:

On the 8TH day of OCTOBER, 2004, before me, BETH A. COOK, Notary Public, personally appeared JOHN MANSELL, 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~~<sup>she</sup> executed the same in ~~his~~<sup>her</sup> authorized capacity, and that by ~~his~~<sup>her</sup> signature on the instrument the person executed the instrument.

Witness my hand and official seal.

Beth A. Cook  
Notary Public

My commission expires:

8-16-2006



NGC Disclosure. 00059-199  
Atty. Docket D9455

Dated: 10/8/04 By: A. S. Syahid  
Akbar Arab-Sadenghabadi

STATE OF CALIFORNIA )  
 ) ss:  
COUNTY OF )

On the 8TH day of OCTOBER, 2004, before me, BETH A. COOK, Notary Public, personally appeared AKBAR ARAB-SADENGHABAD, 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/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person executed the instrument.

Witness my hand and official seal.

Beth A. Cook  
Notary Public

My commission expires:

8-16-2006

