

Form **PTO-1595** (Rev. 07/05)  
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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

### 1. Name of conveying party(ies)

John A. KRAWCZAK

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

### 3. Nature of conveyance/Execution Date(s):

Execution Date(s) 12/3/2007

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Joint Research Agreement  
☐ Government Interest Assignment  
☐ Executive Order 9424, Confirmatory License  
☐ Other \_\_\_\_\_

### 2. Name and address of receiving party(ies)

Name: Lockheed Martin Corporation

Internal Address: \_\_\_\_\_

Street Address: 6801 Rockledge Drive

City: Bethesda

State: Maryland

Country: U.S.A. Zip: 20817

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

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

A. Patent Application No.(s)  
11/903,718

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Denise J. PUTRAH

Internal Address: Lockheed Martin Corporation

Street Address: 3333 Pilot Knob Road

City: Eagan

State: Minnesota Zip: 55121

Phone Number: 651.456.2070

Fax Number: 651.456.2073

Email Address: denise.j.putrah@lmco.com

### 6. Total number of applications and patents involved: one

### 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

### 8. Payment Information

a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_

b. Deposit Account Number 122145

Authorized User Name Denise J. PUTRAH

### 9. Signature:

  
Signature

December 27, 2007

Date

Denise J. PUTRAH

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

700354957

**PATENT**  
**REEL: 020311 FRAME: 0011**

CH \$40.00 122145 11903718

Docket No. EA-00458

## *Assignment of Invention*

WHEREAS, I, John A. Krawczak, of 3657 Robinwood Terrace, Minnetonka, Minnesota 55305, have invented certain new and useful improvements in RADIO FREQUENCY PHOTONIC LINK WITH DIFFERENTIAL DRIVE TO AN OPTICAL RESONATOR ELECTRO-OPTIC MODULATOR, for which an application for Letters Patent of the United States has been filed on September 24, 2007, and which may be identified in the United States Patent Office by Application No. 11/903,718.

WHEREAS, Lockheed Martin Corporation (hereinafter "Assignee"), a corporation organized and existing under the laws of the state of Maryland, and having its principal offices 6801 Rockledge Drive, Bethesda, Maryland 20817, U.S.A., is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefore.

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, I have sold, assigned and transferred, and by these presents do hereby sell, assign and transfer unto the said Assignee, its successors and assigns, my entire right, title and interest in and to said invention, said utility application, all applications claiming priority to said utility application including all divisions, continuations or renewals thereof, and the Letters Patent, both foreign and domestic, that may or shall issue, therefrom including all reissues or extensions of such patents including all of my rights under the International Convention, and I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to the above mentioned Assignee in accordance herewith.

I further authorize said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of the International Convention.

Upon said consideration I do hereby covenant and agree with the said Assignee, its successors and assigns, that I will not execute in writing or do any act whatsoever conflicting with these presents, and that I or my executors or administrators will at any time upon request, without further or additional consideration, but at the expense of the said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

Application No. 11/903,718

IN WITNESS WHEREOF, I have hereunto set hand this 3 day of  
December 2007.

John A. Krawczak  
John A. Krawczak

STATE OF MINNESOTA)

COUNTY OF DAKOTA )

On this 3rd day of December 2007, before  
me personally appeared John A. Krawczak known to me or identified as the person  
described in and who executed the foregoing assignment, and he duly acknowledged to  
me that he executed the same for the uses and purposes therein set forth.



Denise J. Putrah  
Notary Public