

12-26-2006

Form PTO-1595 (Rev. 03-05)
OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

ET

103353367

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):

Nathan BLUZER (12/06/2005), James HALVIS
(12/06/2005), and Robert R. SHISKOWSKI
(12/06/2005)Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Northrop Grumman Corp.

Internal Address: _____

Street Address: _____

1840 Century Park East

Los AngelesState: CaliforniaCountry: United States of America Zip: 90067-2199Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

Execution Date(s): in parentheses after inventor name☒ Assignment ☐ Merger ☐ Change of Name☐ Security Agreement ☐ Joint Research Agreement☐ Government Interest Assignment☐ Executive Order 9424, Confirmatory License☐ Other _____

4. Application or patent number(s):

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

A. Patent Application No.(s)

This application

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: William L. Gates
BIRCH, STEWART, KOLASCH & BIRCH,
LLP

Internal Address: Atty. Dkt.: 1215-0578PUS1

Street Address: 8110 Gatehouse Road
Suite 100 East
P.O. Box 747City: Falls ChurchState: VA Zip: 22040-0747Phone Number: (703) 205-8000Fax Number: (703) 205-8050Email Address: mailroom@bskb.com

6. Total number of applications and patents involved:

1

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 _____

Authorized User Name _____

9. Signature:

Signature

December 20, 2006

Date

William L. Gates - 20,848

Name of Person Signing

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

2

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Birch, Stewart, Kolasch & Birch, LLP

WLG/mpe

PATENT
REEL: 018723 FRAME: 0948

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United States Patent and Trademark Office

113256 U.S. PTO
11/302229

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(12/06/2005)

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

2. Name and address of receiving party(ies)

Name: Northrop Grumman Corp.

Internal Address:

Street Address:

Electronics Sensors Systems Div.
Law Department
P.O. Box 17319 MS A440

City: Baltimore

State: Maryland

Country: United States of America Zip: 21203-7319

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

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

Execution Date(s): in parentheses after inventor name

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☐ Security Agreement ☐ Joint Research Agreement

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Name of Person Signing

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

2

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Birch, Stewart, Kolasch & Birch, LLP

WLG/mpe

ASSIGNMENT JOINT

In accordance with existing Employee Intellectual Property Agreement(s) and/or other undertaking(s) entered into for good and valuable consideration, receipt of which is hereby acknowledged, we, Howard N. FUDEM of Baltimore, MD 21209, and William E. HALL of New Windsor, MD 21176, hereby sell and assign to **NORTHROP GRUMMAN CORPORATION**, a Corporation organized and existing under the laws of Delaware, U.S.A., having its principal place of business at 1840 Century Park East, Los Angeles, California 90067-2199, U.S.A., its successors, assigns, nominees, or other legal representatives, the entire right, title and interest in and to the invention in "I" BEAM BRIDGE INTERCONNECTION FOR ULTRA-SENSITIVE SILICON SENSOR, invented by us and the application for United States patent therefor, executed on the same day as the assignment is executed and all original and reissued patents granted therefor, and all divisions and continuations thereof, including the subjects-matter of any and all claims which may be obtained in every such patent, and the right to apply for and obtain patents and Utility Model Registrations in countries foreign to the United States, and in and to any Letters Patent or Utility Model Registration which may be granted thereon in such foreign countries, and authorize and request 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 the said Letters Patent or Utility Model Registration to the said **NORTHROP GRUMMAN CORPORATION** its successors, assigns, nominees or other legal representatives, as assignee of the entire interest, and covenant that we have full right to convey the entire interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith, and agree that we will communicate to said Corporation, its successors, assigns, nominees or other legal representatives, all facts known to us respecting said invention, whenever requested, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and do all lawful acts requisite for the application for such divisional, continuing or reissue applications, or the procuring thereof, and that if and when said **NORTHROP GRUMMAN CORPORATION** its successors, assigns, nominees or other legal representatives desire to file a disclaimer relating thereto, we will, upon request, sign all lawful papers requisite for the filing of such disclaimer, and we further covenant and agree that we will, at any time upon request, do everything legally possible to aid said Corporation, its successors, assigns, nominees or other legal representatives, either in its or their own name, to apply for, obtain and enforce proper patent and/or Utility Model protection for said invention in all countries, all without further consideration but at the expense of said **NORTHROP GRUMMAN CORPORATION** its successors, assigns, nominees or other legal representatives.


IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 06 day of December, 2005.


Nathan BLUZER

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 06 day of December, 2005.


James HALVIS

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 06 day of December, 2005.


Robert R. SHISKOWSKI



Docket No.: 1215-0578PUS1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Nathan BLUZER et al.

Application No.: 11/302,229

Confirmation No.: 2221

Filed: December 14, 2005

Art Unit: N/A

For: "I" BEAM BRIDGE INTERCONNECTION
FOR ULTRA-SENSITIVE SILICON SENSOR

Examiner: Not Yet Assigned

LETTER

MS Assignment Recordation Services
Director of the US Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

On the attached "United States Patent and Trademark Office Notice of Recordation of Assignment Document" it is noted that there are two corrections to be made as indicated below.

With the corrections being underlined, the Notice of Recordation recorded at Reel 017369, frame 0069 should be updated as follows:

1. Please correct the spelling of the third inventor' name, Robert Shiskowki to:

-- **Robert R. Shiskowski**--; and

2. Please correct the address of the assignee, Northrop Grumman from Electronics Sensors Systems Div., Law Department, P.O. Box 17319 MS A440, Baltimore, Maryland 21203-7319, to:

--**Northrop Grumman Corporation
1849 Century Park East
Los Angeles, California 90067-2199**--.

Please enter the present Letter into the file of the above-identified application and provide a Corrected Notice of Recordation incorporating the above correction.

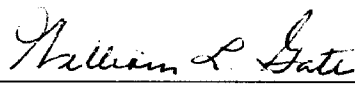
The fee for the above correction is attached.

If you have any questions regarding this request, please contact LaVerne Whetstone at 703-205-8000.

If necessary, the Commissioner is hereby authorized in this, concurrent, and further replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Dated: December 20, 2006

Respectfully submitted,

By 
William L. Gates, Reg. No. 20,848

BIRCH, STEWART, KOLASCH & BIRCH,
LLP
8110 Gatehouse Road
Suite 100 East
P.O. Box 747
Falls Church, Virginia 22040-0747
(703) 205-8000
Attorneys for Applicant

Attachments: Notice of Recordation - (copy)
Marked-up Notice of Recordation - (copy)
Assignment - (copy)
Fee – Check in the amount of \$40.00