

05-08-2006

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To the Director of the U.S. Patent and Trademark Office, 1000 ... documents or the new address(es) below.

**1. Name of conveying party(ies)/Execution Date(s):**

Matt Yuji Nishimoto  
Gregory Hoke Rowan  
Jeffrey Ming-Jer Yang  
Yun-Ho Chung

Execution Date(s) Apr. 27, 2006 (all)

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

**3. Nature of conveyance:**

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

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

Name: Northrop Grumman Corporation

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

Street Address: 1840 Century Park East, M/S 30/110/31

City: Los Angeles

State: California

Country: USA Zip: 90067-2199

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

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

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

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Name: Christopher P. Harris

Internal Address: Tarolli, Sundheim, Covell & Tummino, LLP

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Suite 1700

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State: Ohio Zip: 44114

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Fax Number: (216) 621-4072

Email Address: charris@Tarolli.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 Christopher P. Harris

**9. Signature:**

Christopher P. Harris

Signature

4-28-06

Date

Christopher P. Harris, Reg. No. 43,660  
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 (703) 306-5995, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

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**ASSIGNMENT**

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WHEREAS, I, the undersigned inventor (or one of the undersigned joint inventors), of residence as listed, having invented certain new and useful improvements as below entitled, for which application for United States Letters Patent is made, the said application having been executed on the date set forth below; and

WHEREAS, NORTHROP GRUMMAN CORPORATION, a corporation organized and existing under the laws of the State of Delaware, with a place of business at 1840 Century Park East, M/S 30/110/31, Los Angeles, California, 90067, is desirous of acquiring my entire right, title and interest in and to the said invention, and to the said application and any Letters Patent that may issue thereon;


NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said NORTHROP GRUMMAN CORPORATION, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents which may be granted therefore, and all divisions, reissues, substitutions, continuations, and extensions thereof; and I hereby authorize and request the Commissioner of Patents and Trademarks to issue all patents for said invention, or patent resulting therefrom, insofar as my interest is concerned, to the said NORTHROP GRUMMAN CORPORATION, as assignee of my entire right, title and interest.

I also hereby sell and assign to NORTHROP GRUMMAN CORPORATION, its successors and assigns, my foreign rights to the invention disclosed in said application, in all countries of the world, including but not limited to, the right to file applications and obtain patents under the terms of the International Convention for the Protection of Industrial Property, and of the European Patent Convention, and further agree to execute any and all patent applications, assignments, affidavits, and any other papers in connection therewith necessary to perfect such patent rights.

I hereby further agree that I will communicate to said NORTHROP GRUMMAN CORPORATION, or to its successors, assigns, and legal representatives, any facts known to me respecting said invention, and at the expense of said assignee company, testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, reissue and substitute applications, make all lawful oaths, and generally do everything possible to aid said NORTHROP GRUMMAN CORPORATION, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

I further authorize and direct the attorneys of record to insert the serial number and filing date of said application now identified by the attorney docket number and title set forth above as soon as the same shall have been made known to them by the United States Patent and Trademark Office.

IN WITNESS WHEREOF, I hereunto set hand and seal this day and year;

TITLE OF INVENTION	TRANSISTOR DEVICES CONFIGURED TO OPERATE ABOVE A FIRST CUTOFF FREQUENCY
SIGNATURE OF INVENTOR AND NAME	Matt Yuji Nishimoto 
DATE	April 27, 2006
RESIDENCE (STREET, CITY, STATE, COUNTRY)	2261 W. 233 St. Torrance, CA 90501 USA
DATE APPLICATION EXECUTED	April 27, 2006

TITLE OF INVENTION	TRANSISTOR DEVICES CONFIGURED TO OPERATE ABOVE A FIRST CUTOFF FREQUENCY
SIGNATURE OF INVENTOR AND NAME	Gregory Hoke Rowan <i>Gregory Hoke Rowan</i>
DATE	April 27, 2006
RESIDENCE (STREET, CITY, STATE, COUNTRY)	2520 Carnegie Ln. Apt A Redondo Beach, CA 90278 USA
DATE APPLICATION EXECUTED	April 27, 2006

TITLE OF INVENTION	TRANSISTOR DEVICES CONFIGURED TO OPERATE ABOVE A FIRST CUTOFF FREQUENCY
SIGNATURE OF INVENTOR AND NAME	Jeffrey Ming-Jer Yang <i>Jeffrey Ming-Jer Yang</i>
DATE	4/27/2006
RESIDENCE (STREET, CITY, STATE, COUNTRY)	11445 Stapleton Ct. Cerritos, CA 90703 USA
DATE APPLICATION EXECUTED	4/27/2006

TITLE OF INVENTION	TRANSISTOR DEVICES CONFIGURED TO OPERATE ABOVE A FIRST CUTOFF FREQUENCY
SIGNATURE OF INVENTOR AND NAME	Yun-Ho Chung <i>Yun-Ho Chung</i>
DATE	4/27/06
RESIDENCE (STREET, CITY, STATE, COUNTRY)	2704 Ruhland Ave. #2 Redondo Beach, CA 90278 USA
DATE APPLICATION EXECUTED	4/27/06