

10-21-2003

Form PTO-1595

(Rev. 10/02)

REC

U.S. DEPARTMENT OF COMMERCE
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OMB No. 0651-0027 (exp. 6/30/2005)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Hiroshi Komine

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

3. Nature of conveyance:



Assignment



Merger



Security Agreement



Change of Name



Other

10/3/03

Execution Date:

2. Name and address of receiving party(ies)

Name: Northrop Grumman Corporation

Internal Address: _____

Street Address: 1840 Century Park East

City: Los Angeles State: CA Zip: 90067-2199

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

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

10/681648

If this document is being filed together with a new application, the execution date of the application is: 10/3/03

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:

Name: John S. Paniaguas

Internal Address: Katten Muchin Zavis Rosenman

Street Address: 525 West Monroe Street

Suite 1600

City: Chicago State: IL Zip: 60661-3693

6. Total number of applications and patents involved: ☐

7. Total fee (37 CFR 3.41).....\$ 40.00



Enclosed

Authorized to be charged to deposit account
any additional fees or credit any
overpayments

8. Deposit account number:

50-1214

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9. Signature.

John S. Paniaguas

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: 3

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

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231PATENT
REEL: 014597 FRAME: 0303

ASSIGNMENT

IN CONSIDERATION of other good and valuable consideration, the receipt of which is hereby acknowledged, I, **Hiroshi Komine** residing at **3241 Candlewood Road, Torrance, California 90505, County of Los Angeles**, do hereby sell, assign and transfer unto **Northrop Grumman Corporation**, a limited liability corporation organized and existing under the laws of the State of **Delaware** having its principle place of business at **1840 Century Park East, Los Angeles, California 90067-2199**, its successors, assigns and legal representatives, the entire right, title and interest for the United States and its territories, and all foreign countries, in and to the invention set forth in an application for a patent filed **herewith** entitled **BRIGHTNESS ENHANCEMENT OF DIODE LIGHT SOURCES** and all the right, title and interest in and to any and all United States and foreign Letters Patents that may be granted for said invention, and all divisions, continuations, renewals, reissues, and extensions thereof, and the applications therefor, and the right to claim the priority of this international patent application in any U.S. and all foreign countries where application for patent on said invention may be filed; and we hereby agree to execute such other lawful documents and perform such other lawful acts as are requested for securing to said assignee, its successors, assigns and legal representatives, all of the rights to said invention.

I HEREBY AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue the Letters Patent to said assignee, its successors and assigns, pursuant to the terms of this Assignment.

IN WITNESS WHEREOF, I have signed, sealed and delivered this instrument this 3rd day of October, 2003.


Hiroshi Komine

STATE OF CALIFORNIA)
) ss:
 COUNTY OF LOS ANGELES)

BE IT REMEMBERED that on this 3rd day of October, 2003, before me, a Notary Public, duly commissioned, qualified and acting in and for the County and State aforesaid, came **Hiroshi Komine** who is personally known to me to be the identical person described in and who executed and signed the foregoing instrument of writing, and duly acknowledged that he executed the same as his free act and deed, for the purposes and considerations therein expressed.

IN WITNESS WHEREOF, I hereunto set my hand and affix my official seal the day and year aforesaid.

Lorna L. Schott
Notary Public

My Commission Expires:

10/27/03

