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PTO
10/374250

02/25/03

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

1. Name of conveying party(ies):

William M. Skones
Steve R. Nelson

2-2503

2. Name and address of receiving party(ies)

Name: Northrop Grumman Corporation

Internal Address: _____

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Street Address: 1840 Century Park East

City: Los Angeles State: CA Zip: 90067

Execution Date: February 20, 2003

Additional 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 of the application is: 02/20/2003

A. Patent Application No.(s)

10374250

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Patent Counsel

Internal Address: Northrop Grumman

Space Technology & Mission Systems Corp.

Intellectual Asset Management

Street Address: One Space Park, E2/6051

City: Redondo Beach State: CA Zip: 90278

6. Total number of applications and patents involved: 1

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

Enclosed

Authorized to be charged to deposit account

8. Deposit account number:

20-1515

(Attach duplicate copy of this page if paying by deposit account)

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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.

Noel F. Heal, Reg. No. 26,074

Name of Person Signing

Signature

February 25, 2003

Date

Total number of pages including cover sheet, attachments, and documents 4

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

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

03/10/2003 6TOM11 00000135 201515 10374250

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ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, we William M. Skones and Steve R. Nelson respectively, of Manhattan Beach, California; Hermosa Beach, California; do hereby sell and assign to Northrop Grumman Corporation, One Space Park, Redondo Beach, California, a Delaware corporation, its successors and assigns, the entire right, title and interest in and to the improvements in SWITCHING DAC PULSE ENCODING CIRCUIT which has been invented by us, as described in the application for United States Patent which we executed respectively, on February 20, 2003, and February 21, 2003, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations, and extensions thereof, and the right to claim the priority date of the first filed application in the United States, and authorize and request any official whose duty it is to issue patents, to issue any patent on said improvements or resulting therefrom to said Northrop Grumman Corporation, or its successors or assigns, and agree that on request and without further consideration, but at the expense of Northrop Grumman Corporation, we will communicate to Northrop Grumman Corporation or its representatives or nominees any facts known to us respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, and generally do everything possible to aid Northrop Grumman Corporation, its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

Feb 20, 2003

Inventor: William M. Skones
William M. Skones

Feb 21, 2003

Inventor: Steve R. Nelson
Steve R. Nelson

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On February 20, 2003 before me, Lynn E. Cabiles
personally appeared William M. Skones
~~personally known to me~~ or X 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, or the entity upon behalf of which the person acted,
executed the instrument.



WITNESS my hand and official seal.

Lynn E. Cabiles
Notary Public

(SEAL)

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On February 21, 2003 before me, Lynn E. Cabiles
personally appeared Steve R. Nelson
~~personally known to me~~ or X 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, or the entity upon behalf of which the person acted,
executed the instrument.



WITNESS my hand and official seal.

Lynn E. Cabiles
Notary Public

(SEAL)