

07-10-2003

OMB No. 0651-0027 (exp. 5/31/02)



102492867

To the Honorable Commissioner of Patents and Trademarks, original documents or copy thereof.

1. Name of conveying party(ies):

Ian S. Robinson
Frank WinterAdditional name(s) of conveying
party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 6/23/03

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

Name: Northrop Grumman Corporation

Internal Address: _____

Street Address: 1840 Century Park East

City: Los Angeles

State/Country: California ZIP: 90067-2199

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

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

10,606,721

If this document is being filed together with a new application, the execution date of the application is: 6/23/03

A. Patent Application No.(s)

B. Patent No.(s)

Additional Numbers attached? ☐ Yes ☒ No5. Name and address of party to whom
correspondence concerning document
should be mailed:

Name: Christopher P. Harris

Internal Address: _____

526 Superior Avenue

Street Address: 1111 Leader Building

City: Cleveland

State: Ohio ZIP: 44114

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:

20-0090

(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.

Christopher P. Harris

Name of Person Signing

Signature

June 26, 2003

Date

Reg. No. 43,660 Total number of pages including cover sheet attachments, and document: [3]

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

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, Los Angeles, California, 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;

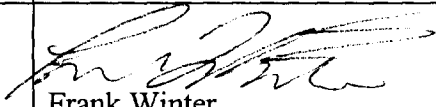
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I hereby sell and assign to the said NORTHROP GRUMMAN CORPORATION, its successors and assigns, my entire right, title and interest in and to the said invention and in to the said application and all patents 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.

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

TITLE OF INVENTION	<u>COMMUNICATION SYSTEM AND METHODS FOR IMPROVING EFFICIENCY AND LINEARITY</u>
SIGNATURE OF INVENTOR AND NAME	 Ian Robinson
DATE	June 23, 2003
RESIDENCE (CITY AND STATE)	Venice, CA
DATE APPLICATION EXECUTED	June 23, 2003

TITLE OF INVENTION	<u>COMMUNICATION SYSTEM AND METHODS FOR IMPROVING EFFICIENCY AND LINEARITY</u>
SIGNATURE OF INVENTOR AND NAME	 Frank Winter
DATE	6/23/03
RESIDENCE (CITY AND STATE)	San Diego, CA 92130
DATE APPLICATION EXECUTED	6/23/03