

09-13-2001

Form PTO-1595

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

101841716

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

## 1. Name of conveying party(ies):

1. Harvey C. Nathanson
2. Philip L. Smith
3. R. Chris Clarke
4. David M. Krafcsik
5. Lawrence E. Dickens

08/30/01

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

Name: Northrop Grumman Corporation

Address: Law Department, IPS, MS A440  
P.O. Box 17319  
Baltimore, MD 21203-7319

Additional name(s) & addresses are attached? Yes ☐ No ☒Additional names of conveying party(ies) attached? Yes ☐ No ☒

## 3. Nature of Conveyance:

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

Execution Date(s): (1) 7/26/2001, (2) 8/15/2001,  
(3) 8/15/2001, (4) 8/15/2001, (5) 8/24/2001

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

09/942824

This Assignment 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 of party to whom correspondence concerning document should be mailed:

Name: **Walter G. Sutcliff**Address: Northrop Grumman Corporation  
Law Department, IPS, MS A440  
P.O. Box 17319  
Baltimore, MD 21203-7319

## 6. Total number of applications/patents involved: 1

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

- ☐ Enclosed
- ☒ Authorized to be charged to deposit account

## 8. Deposit Account Number: 14-1325

09/13/2001 DBYME 00000029 141325 09942824

01 FC:581 40.00 CH

DO NOT USE THIS SPACE

## 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.

Walter G. Sutcliff  
Signature

8-28-01  
Date

Walter G. Sutcliff  
Reg. No. 24,914

Name of Person Signing

Total number of pages including cover sheet, attachments, and document 2

OMB No. 0651-0011 (Exp. 4/94)

N.G. Case BD-01-027

**PATENT**  
**REEL: 012144 FRAME: 0295**

## 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, Harvey C. Nathanson, Philip C. Smith, R. Chris Clarke, David M. Krafcsik and Lawrence E. Dickens, of, respectively, Pittsburgh, PA 15217, Ellicott City, MD., 21042 Sykesville, MD 21784, Crownsville, MD 21032, and Baltimore, MD 21236, 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 **SOLID STATE RF SWITCH WITH HIGH CUTOFF FREQUENCY** 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  
26 day of July, 2001.

Harvey C. Nathanson  
 Harvey C. Nathanson

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this  
15 day of August, 2001.

Philip C. Smith  
 Philip C. Smith

C.  
 P.C.S.  
 8-15-01

## ASSIGNMENT JOINT - (Continued)

15 day of August, 2001. IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this

  
R. Chris Clarke

15 day of August, 2001. IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this

  
David M. Krafcsik

24 day of August, 2001. IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this

  
Lawrence E. Dickens