

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

04-30-2001



Tab settings → → → ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the att

101692652

1. Name of conveying party(ies):

Te-Kao Wu

Teh-Kan Tung

Andrew L. Roberts

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

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

Name: TRW Inc.

Internal Address: S&EG Law Dept.

Street Address: Bldg. E2/6051

One Space Park

City: Redondo Beach State: CA ZIP: 90278

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: April 12, 2001

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: April 12, 2001

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: Patent Counsel

Internal Address: TRW Inc.

S&EG Law Dept.

Bldg. E1/6051

Street Address: One Space Park

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)

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.

Robert W. Keller

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 5

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

(Form PTO-1595--Recordation Form Cover Sheet - page 1 of 3)

4/19/2001 VTRUONG1 00000002 09835789

581

40.00 CH

**PATENT**  
**REEL: 011727 FRAME: 0836**

## ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, we Te-Kao (NMI) Wu, Teh-Kan (NMI) Tung, and Andrew L. Roberts respectively, of Rancho Palos Verdes, California; Irvine, California; and Newhall, California do hereby sell and assign to TRW Inc., One Space Park, Redondo Beach, California, an Ohio corporation, its successors and assigns, the entire right, title and interest in and to the improvements in DUAL FREQUENCY COAXIAL FEED WITH SUPPRESSED SIDELOBES AND EQUAL BEAMWIDTHS which has been invented by us, as described in the application for United States Patent which we executed respectively, on April 12, 2001, April 12, 2001, and April 12, 2001 and any and all applications for patent and patents therefore 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 TRW Inc., or its successors or assigns, and agree that on request and without further consideration, but at the expense of TRW Inc., we will communicate to TRW Inc. 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 TRW Inc., its successors, assigns and nominees to obtain and enforce proper patent protection for said invention in all countries.

April 12, 2001

Inventor:

Te-Kao (NMI) Wu

April 12, 01, 2001

Inventor:

Teh-Kan (NMI) Tung

4/12 2001

Inventor:

Andrew L. Roberts

STATE OF CALIFORNIA

)

) ss

COUNTY OF LOS ANGELES

)

On April 12, 2001 before me, Michelle Christopher  
personally appeared Te-Kao (NMI) Wu

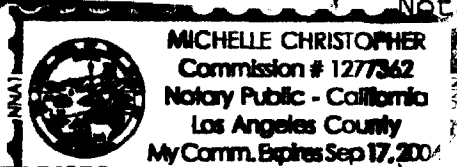
~~/s/~~ personally known to me -or- ~~\_\_\_\_\_~~ proved to me on the basis of  
satisfactory evidence to be the person whose name is subscribed to the  
within instrument and acknowledged to me that he/~~she~~ executed the same in  
his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the  
instrument the person, or the entity upon behalf of which the person acted,  
executed the instrument.

WITNESS my hand and official seal.



Michelle Christopher  
Notary Public

(SEAL)



STATE OF CALIFORNIA

) ss

COUNTY OF LOS ANGELES

)

On April 12, 2001 before me, Michelle Christopher  
personally appeared Teh-Kan (NMI) Tung

~~\_\_\_\_\_~~ personally known to me -or- ~~/s/~~ 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.



Michelle Christopher  
Notary Public

(SEAL)

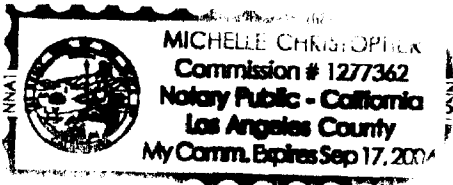
STATE OF CALIFORNIA

COUNTY OF LOS ANGELES

)  
) ss  
)

On April 12, 2001 before me, Michelle Christopher  
personally appeared Andrew L. Roberts  
X personally known to me -or- ~~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.



(SEAL)

Michelle Christopher  
Notary Public