

RECORDATION FORM COVER SHEET  
**PATENTS ONLY**

01-28-1999



Tab settings

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

100953233

1. Name of conveying party(ies):

Te-Kao Wu

Charles W. Chandler

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

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

Name: TRW Inc.

Internal Address: Law Dept.

Bldg. E2/6072

Street Address: 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: January 14, 1999

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

69232899

If this document is being filed together with a new application, the execution date of the application is: January 15, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?

☐ Yes ☒ No

1-15-99

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

Name: TRW Inc.

Internal Address: Law Dept.

Bldg. E2/6072

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

☐ 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.

Connie M. Thousand

Name of Person Signing

Connie M. Thousand

Signature

January 15, 1999

Date

Total number of pages including cover sheet, attachments, and document: 4

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)

**PATENT**  
**REEL: 9715 FRAME: 0738**

## ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, we Te-Kao Wu and Charles W. Chandler respectively, of Rancho Palos Verdes, California, and San Gabriel, 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 **"MULTI-PATTERN ANTENNA HAVING FREQUENCY SELECTIVE OR POLARIZATION SENSITIVE ZONES"** which has been invented by us, as described in the application for United States Patent which we executed respectively, on January 14, 1999, and January 14, 1999, 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.

Jan. 14, 1999

Inventor:

Te-Kao Wu

Jan 14, 1999

Inventor:

Charles W. Chandler

STATE OF CALIFORNIA )  
 ) ss  
COUNTY OF LOS ANGELES )

On Jan 14, 1999 before me, Kathleen R. Tait  
personally appeared Te-Kao Wu  
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 the 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)

Kathleen R. Tait  
Notary Public

STATE OF CALIFORNIA )  
 ) ss  
COUNTY OF LOS ANGELES )

On Jan 14, 1999 before me, Kathleen R. Tait  
personally appeared Charles W. Chandler  
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 the 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)

Kathleen R. Tait  
Notary Public