(Rev. 6-93) OMB No. 0651-0011 (exp. 4,	RM COVER SHEET  U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
Tab settings → → →  To the Honorable Co  101159790	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
GOYETTE, William R.	TDW In a
RIDDLE, Robert G.	Name: TRW Inc.
	Internal Address: Law Dept.
Additional name(s) of conveying party(ies) attached? Yes X No	Bldg. E2/6072
3. Nature of conveyance:	
	Street Address: One Space Park
☐ Security Agreement ☐ Change of Name	•
Other	City: Redondo Beach State: CA ZIP: 90278
Execution Date: September 20, 1999	Additional name(s) & address(es) attached?
<ol> <li>Application number(s) or patent number(s):</li> <li>If this document is being filed together with a new application</li> <li>A. Patent Application No.(s)</li> </ol>	n, the execution date of the application is: 09/20/1999  B. Patent No.(s)
	09401896
Additional numbers atta	
5. Name and address of party to whom correspondence concerning document should be mailed:	
Name and address of party to whom correspondence	6. Total number of applications and patents involved:
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)
Name and address of party to whom correspondence concerning document should be mailed:  Name: Robert W. Keller	6. Total number of applications and patents involved:
Name and address of party to whom correspondence concerning document should be mailed:      Name: Robert W. Keller  Internal Address: Law Dept.	6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Robert W. Keller  Internal Address: Law Dept.  Bldg. E2/6072	6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Robert W. Keller  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:  7. Total fee (37 CFR 3.41)
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Robert W. Keller  Internal Address: Law Dept.  Bldg. E2/6072  Street Address: One Space Park  City: Redondo Beach State: CA ZIP: 90278  DO NOT  9. Statement and signature.	6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Robert W. Keller  Internal Address: Law Dept.  Bldg. E2/6072  Street Address: One Space Park  City: Redondo Beach State: CA ZIP: 90278  DO NOT  9. Statement and signature.  To the best of my knowledge and belief, the foregoing inform the original document.  Robert W. Keller  Name of Person Signing  Total number of pages including of	6. Total number of applications and patents involved:  7. Total fee (37 CFR 3.41)

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

## ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, we William R. Goyette and Robert G. Riddle respectively, of <u>San Marcos, California</u> and <u>San Diego, California</u> 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 METHOD FOR DYNAMICALLY ROUTING FREQUENCY HOPPING SIGNALS IN A MULTIPLE CARRIER COMMUNICATIONS SYSTEM which has been invented by us, as described in the application for United States Patent which we executed respectively, on September 20, 1999 , and September 20, 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.

9/20 , 1999

Inventor: William R. Goyette

9/20 , 1999

Inventor: Kolet School Robert G. Riddle

STATE OF CALIFORNIA COUNTY OF SAN DIEGO	) )ss )
on Sept. 20,1999 before me, Judith L. Nelson,  personally appeared William R. Goyette personally known to me -orX 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.	
JUDITH L. NELSON Commission # 1204367 Notary Public - California San Diego County My Comm. Expires Dec 9, 2002	WITNESS my hand and official seal.
(SEAL)	Notary Public
STATE OF CALIFORNIA COUNTY OF SAN DIEGO	) )ss )
on Sept. 20.1999 before me, Judith L. Nelson  personally appeared Robert G. Riddle  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 the helshe 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.	
JUDITH L. NELSON Commission # 1204367 Notary Public - California San Diego County My Comm. Expires Dec 9, 2002 (SEAL)	WITNESS my hand and official seal.  Notary Public

PATENT REEL: 010270 FRAME: 0211