

11-07-2000

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office



101507638

Attached original documents or copy thereof.

To the Honorable Commissioner of Patent

1. Name of conveying party(ies):

Shimen K. Claxton

Bert K. Oyama

Eric L. Upton

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

3. Nature of conveyance:

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

Execution Date: June 27, 2000

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

Name: TRW Inc.

Internal Address: Law Department, E2/6051

Street Address: One Space Park

City: Redondo Beach State: CA ZIP: 90278

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

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: _____

A. Patent Application No.(s)

09/605,078

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: TRW Inc., Patent Counsel

Internal Address: Law Department, E2/6051

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

Michael S. Yatsko
Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 14

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: 011205 FRAME: 0001

PATENTS ONLY

Patent and Trademark Office

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

1. Name of conveying party(ies):

Barry R. AllenMark (NMI) KintisAndrew D. SmithCraig R. TalbottDavid J. BrunoneDonald R. Martin

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

Yes



No



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

Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached?

Yes



No



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: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?

Yes



No



PATENTS ONLY

Patent and Trademark Office

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

1. Name of conveying party(ies):

William M. SkonesRonald P. SmithVincent C. Moretti

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

Yes ☐No ☒

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

Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

Name: _____

Internal Address: _____

Street Address: _____

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached?

Yes ☐No ☒

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: _____

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?

Yes ☐No ☒

ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, we Shimen K. Claxton, Bert K. Oyama, Eric L. Upton, Barry R. Allen, Mark (NMI) Kintis, Andrew D. Smith, Craig R. Talbott, David J. Brunone, Donald R. Martin, William M. Skones, Ronald P. Smith and Vincent C. Moretti, respectively, of Encino, California; Torrance, California; Redondo Beach, California; Redondo Beach, California; Manhattan Beach, California; Redondo Beach, California; Huntington Beach, California; Rancho Palos Verdes, California; Redondo Beach, California; Manhattan Beach, California; Redondo Beach, California; and Torrance, 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 **WIRELESS TELECOMMUNICATIONS MULTICARRIER RECEIVER ARCHITECTURE** which has been invented by us, as described in the application for United States Patent which we executed respectively, on _____,

June 27, 2000	June 28, 2000	
June 27, 2000	June 27, 2000	
June 27, 2000	July 6, 2000	
June 27, 2000	June 27, 2000	
July 10, 2000	June 27, 2000	
June 27, 2000	June 27, 2000	
June 27, 2000	June 27, 2000	and

_____ , 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.

June 28, 2000

Inventor: Shimen K. Claxton
Shimen K. Claxton

June 27, 2000

Inventor: Bert K. Oyama
Bert K. Oyama

June 27, 2000

Inventor: Eric L. Upton
Eric L. Upton

June 27, 2000

Inventor: Barry R. Allen
Barry R. Allen

July 6, 2000

Inventor: Mark Kintis
Mark (NMI) Kintis

June 27, 2000

Inventor: Andrew D. Smith
Andrew D. Smith

June 27, 2000

Inventor: Craig R. Talbott
Craig R. Talbott

July 10, 2000

Inventor: David J. Brunone
David J. Brunone

June 27, 2000

Inventor: Donald R. Martin
Donald R. Martin

June 27, 2000

Inventor: William M. Skones
William M. Skones

June 27, 2000

Inventor: Ronald P. Smith
Ronald P. Smith

June 27, 2000

Inventor: Vincent C. Moretti
Vincent C. Moretti

STATE OF CALIFORNIA

)
) ss
)

COUNTY OF LOS ANGELES

On June 28, 2000 before me, Lorna L. Schott
personally appeared Shimen K. Claxton
~~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 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.



(SEAL)

WITNESS my hand and official seal.

Lorna L. Schott
Notary Public

STATE OF CALIFORNIA

)
) ss
)

COUNTY OF LOS ANGELES

On June 27, 2000 before me, Lorna L. Schott
personally appeared Bert K. Oyama
personally known to me -or- K 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.



(SEAL)

WITNESS my hand and official seal.

Lorna L. Schott
Notary Public

STATE OF CALIFORNIA

)
) ss
)

COUNTY OF LOS ANGELES

On June 27, 2000 before me, Lorna L. Schott
personally appeared Eric L. Upton
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.



(SEAL)

WITNESS my hand and official seal.

Lorna L. Schott
Notary Public

STATE OF CALIFORNIA

)
) ss
)

COUNTY OF LOS ANGELES

On June 27, 2000 before me, Lorna L. Schott
personally appeared Barry R. Allen
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.



(SEAL)

WITNESS my hand and official seal.

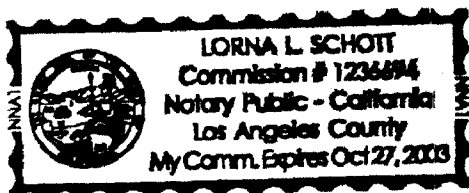
Lorna L. Schott
Notary Public

STATE OF CALIFORNIA

)
) ss
)

COUNTY OF LOS ANGELES

On July 7, 2000 before me, Lorna L. Schott
personally appeared Mark (NMI) Kintis
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.



(SEAL)

WITNESS my hand and official seal.

Lorna L. Schott
Notary Public

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On June 27, 2000 before me, Lorna L. Schott
personally appeared Andrew D. Smith
~~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.



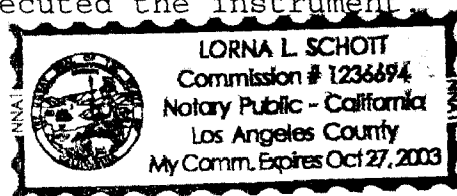
WITNESS my hand and official seal.

Lorna L. Schott
Notary Public

(SEAL)

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On June 27, 2000 before me, Lorna L. Schott
personally appeared Craig R. Talbott
~~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 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.

Lorna L. Schott
Notary Public

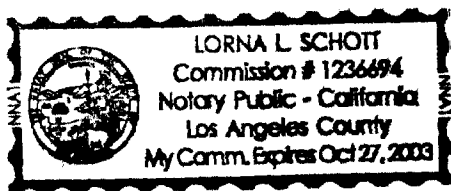
(SEAL)

STATE OF CALIFORNIA

)
) ss
)

COUNTY OF LOS ANGELES

On July 19 2000 before me, Lorna L. Schott
personally appeared David J. Brunone
~~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 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.



(SEAL)

WITNESS my hand and official seal.

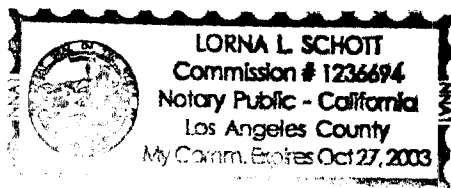
Lorna L. Schott
Notary Public

STATE OF CALIFORNIA

)
) ss
)

COUNTY OF LOS ANGELES

On June 27, 2000 before me, Lorna L. Schott
personally appeared Donald R. Martin
~~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 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.



(SEAL)

WITNESS my hand and official seal.

Lorna L. Schott
Notary Public

STATE OF CALIFORNIA

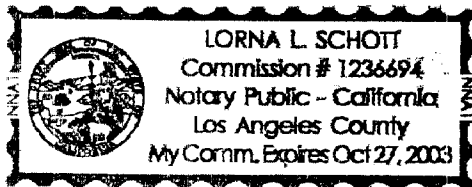
)

) ss

COUNTY OF LOS ANGELES

)

On June 27, 2000 before me, Lorna L. Schott
personally appeared William M. Skones
~~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.



(SEAL)

WITNESS my hand and official seal.

Lorna L. Schott
Notary Public

STATE OF CALIFORNIA

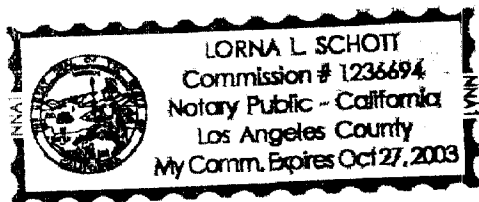
)

) ss

COUNTY OF LOS ANGELES

)

On June 27, 2000 before me, Lorna L. Schott
personally appeared Ronald P. Smith
~~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.



(SEAL)

WITNESS my hand and official seal.

Lorna L. Schott
Notary Public

STATE OF CALIFORNIA

)

) ss

COUNTY OF LOS ANGELES

)

On June 27, 2000 before me, Lorna L. Schott
personally appeared Vincent C. Moretti
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.



(SEAL)

WITNESS my hand and official seal.

Lorna L. Schott
Notary Public