

07-22-1999

FORM PTO-1595 (REV. 6-93) CMB No. 0651-0011 (exp. 4/94)

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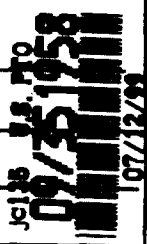
Tab settings

To the Honorable Commissioner of Patents 101099230 attached original documents or copy thereof.

1. Name of conveying party(ies): PRIETO, Jr., Jaime L. SAUNDERS, Oliver W. Additional name(s) of conveying party(ies) attached? [] Yes [X] No

Handwritten: MRO 7/12/99

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 [X] No



3. Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date: July 9, 1999

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: 07/09/99 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? [] Yes [X] No

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) \$ 40.00 [] Enclosed [X] 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. Michael S. Yatsko Name of Person Signing Signature Date July 12, 1999 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

07/21/1999 DNGUYEN 00000451 201515 09351958 01 FC:581 40.00 CH

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

PATENT REEL: 010102 FRAME: 0245

ASSIGNMENT

For valuable consideration, the adequacy and receipt of which are hereby acknowledged, we Jaime L. Prieto, Jr. and Oliver W. Saunders respectively, of Torrance, California and Los Angeles, 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 COMMUNICATION SATELLITE RESOURCE TRADING TECHNIQUES which has been invented by us, as described in the application for United States Patent which we executed respectively on July 9, 1999, and July 9, 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-July, 1999

Inventor: Jaime L. Prieto
Jaime L. Prieto, Jr.

9 July, 1999

Inventor: Oliver W. Saunders
Oliver W. Saunders

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On July 9, 1999 before me, Lorna L. Schott
personally appeared Jaime L. Prieto, Jr.

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 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.

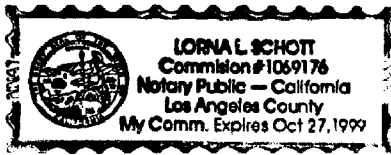
Lorna L. Schott
Notary Public

(SEAL)

STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On July 9, 1999 before me, Lorna L. Schott
personally appeared Oliver W. Saunders

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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.

Lorna L. Schott
Notary Public

(SEAL)