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REGISTRATION FORM COVER SHEET
PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office



101699285

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1c903 U.S. PTO
09/840563
04/23/01

1. Name of conveying party(ies):

Roger S. Tsai

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

2. Name and address of receiving party(ies)

Name: TRW, Inc.

Internal Address: Law Department

Street Address: One Space Park, Bldg. E2/6051

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(s): April 12, 2001

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)

09/840563

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.

Street Address: One Space Park, Bldg. E2/6051

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 (only if check is missing or improper)

8. Deposit Account No.

50-1214

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.

John S. Paniaguas
Name of Person Signing

John S. Paniaguas
Signature

April 23, 2001
Date

Total number of pages including cover sheet, attachments, and document: 2

ASSIGNMENT

For monetary consideration, the receipt of which is hereby acknowledged, I Roger S. Tsai respectively, of 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 S-PARAMETER MICROSCOPY FOR SEMICONDUCTOR DEVICES

which has been invented by me, as described in the application for United States Patent which I executed respectively, on April 12, 2001, and any and all applications for patent and patents therefor 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, at the expense of TRW Inc., I will communicate to TRW Inc. or its representatives or nominees any facts known to me 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 reasonably necessary 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: Roger S. Tsai
STATE OF CALIFORNIA)
) ss
COUNTY OF LOS ANGELES)

On April 12, 2001 before me, Lynn E. Cabiles personally appeared Roger S. Tsai
 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.
Lynn E. Cabiles
Notary Public

(SEAL)