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ET U.S. Department of Commerce
Patent and Trademark Office
OUR FILE TRW(VSSIM)4316

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

1. Name of conveying party(ies):
Wael S. Elqadah
Timothy A. Swann

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

3. Nature of conveyance:

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

Execution Date: 10-12-99 & 9-17-99

2. Name and address of receiving party(ies)

Name: TRW Inc.

Internal Address: _____

Street Address: 1900 Richmond Road

City: Lyndhurst State: OH Zip: 44124

Additional name(s) and 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 10-12-99 & 9-17-99

A. Patent Application No.(s)

B. Patent No.(s)

09/512584

Additional numbers attached? Yes No

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

Name: THOMAS L. TAROLLI, ESQ.

Internal Address: Tarolli, Sundheim, Covell,

Tummino & Szabo L.L.P.

1111 Leader Building

Street Address: 526 Superior Avenue

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 No.

20-0090

(Attach duplicate copy of this page if paying by deposit account)

03/03/2000 0651 0000005 09512544 Zip: 44114-1400

03 FC:581

40.00 DP

DO NOT USE 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

THOMAS L. TAROLLI
Name of Person Signing
Reg. No. 20,177

Thomas Tarolli
Signature

2-24-00
Date

Total number of pages including cover sheet, attachments, and document: 3

Mail Documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington D.C. 20231

PATENT
REEL: 010582 FRAME: 0198

Signed at Mesa
County of Maricopa
This 17

and State of Arizona
day of September, 1999

Timothy A. Swann
Timothy A. Swann

STATE OF Arizona)
COUNTY OF Maricopa)

SS:

On this 17

day of September, 1999

Personally appeared before me Timothy A. Swann to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.



Trina J. Randt
Notary Public