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03-23-1999

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HEET

U.S. Department of Commerce
Patent and Trademark Office

OUR FILE TRW(TE)4125

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

1. Name of conveying party(ies):
Xing Ping Lin

2. Name and address of receiving party(ies)

Name: TRW Inc.

Internal Address: _____

Street Address: 1900 Richmond Road

City: Lyndhurst State: OH Zip: 44114-1400

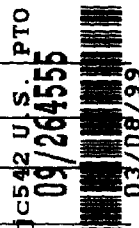
Additional name(s) and address(es) attached? Yes No

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

3. Nature of conveyance:

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

Execution Date: March 5, 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 March 5, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Ronald M. Kachmarik

Internal Address: Tarolli, Sundheim, Covell,

Tummino & Szabo L.L.P.

1111 Leader Building

Street Address: 526 Superior Avenue

City: Cleveland State: Ohio Zip: 44114-1400

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)

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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

Ronald M. Kachmarik
Name of Person Signing
Reg. No. 34,512

Ronald M. Kachmarik
Signature

3/8/99
Date

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

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

03/23/1999 TRW 100992333 09264555 4000

PATENT
REEL: 9825 FRAME: 0118

ASSIGNMENT

WHEREAS, I, Xing Ping Lin, of Waterford, County of Oakland, and State of Michigan, has made new and useful improvements in **APPARATUS AND METHOD FOR REMOTE CONVENIENCE MESSAGE RECEPTION WITH SIGNAL STRENGTH DETERMINATION**;

WHEREAS, TRW Inc., a corporation duly organized and existing under the laws of the State of Ohio, having a place of business at Lyndhurst, County of Cuyahoga, State of Ohio, is desirous of acquiring the entire right, title and interest in and to the said improvements and all patents therefor to be obtained in the United States of America and countries foreign to the United States;

NOW THEREFORE, BE IT KNOWN that for valuable considerations to me paid, the receipt whereof is hereby acknowledged, I, the said Xing Ping Lin, do hereby assign, sell and set over unto the said TRW Inc. its successors or assigns, the entire right, title and interest in and to the said improvements and any and all inventions pertaining thereto, the application for United States patent executed by me on the 5th day of March 1999, all patents therefor in the United States of America and elsewhere, and the right to apply for patents therefor in all countries foreign to the United States and to claim for such applications the priority of United States applications, and I hereby request the Commissioner of Patents of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents, to issue such patents to the said TRW Inc. its successors or assigns; and I further agree to execute such other applications and other instruments and do all other acts as may be deemed necessary by the said TRW Inc. its successors or assigns in order to fully secure, protect and preserve its rights to the said improvements and to obtain patents therefor in the United States of America and all countries foreign to the United States, all without further consideration but at the expense of the said TRW Inc. its successors or assigns.

Signed at Farmington Hills
County of Oakland and State of Michigan
This 5th day of March, 1999

Xing Ping Lin

Xing Ping Lin

STATE OF Michigan)
) SS:
COUNTY OF Oakland)
)
On this 5th