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U.S. Department of Commerce  
Patent and Trademark Office

OUR FILE TRW(TE)4309

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

1. Name of conveying party(ies):

Ernest Edmond Pacsai; Tejas Bhupendra Desai;  
Darius Christopher Rydahl; and  
Christopher O'Connor

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

2. Name and address of receiving party(ies)

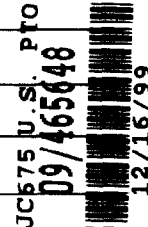
Name: TRW Inc.

Internal Address: \_\_\_\_\_

Street Address: 1900 Richmond Road

City: Lyndhurst State: OH Zip: 44124

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



3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: October 18, 1999; October 11, 1999;  
April 1, 1999; and December 10, 1999

4. Application number(s) or patent number(s):

09 | 456648

If this document is being filed together with a new application, the execution date of the application is October 18, 1999; October 11, 1999; April 1, 1999; and December 10, 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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02 FC:581 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

12/16/99  
Date

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

PATENT  
REEL: 010469 FRAME: 0282

ASSIGNMENT

BHUPENDRA TO

WHEREAS, we, Ernest Edmond Pacsai, Tejas Bhupendra Desai, Darius Christopher Rydahl and Christopher O'Connor, of Wixom, County of Oakland, and State of Michigan; of Sterling Heights, County of Macomb, and State of Michigan; of Royal Oak, County of Oakland, and State of Michigan; and of Northville, County of Oakland, and State of Michigan respectively, have made new and useful improvements in **SYSTEM AND METHOD FOR REMOTE CONVENIENCE FUNCTION CONTROL WITH A PORTABLE TRANSMITTER HAVING A SCROLL CONTROL BUTTON**;

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 us paid, the receipt whereof is hereby acknowledged, we, the said Ernest Edmond Pacsai, Tejas Bhupendra Desai, Darius Christopher Rydahl and Christopher O'Connor 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 us respectively on the 18 day of October 1999, 11<sup>th</sup> day of October 1999, 15<sup>th</sup> day of APRIL 1999, and the 10<sup>th</sup> day of DECEMBER 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 we 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 we 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 18<sup>th</sup> day of October, 1999.

*Ernest Edmond Pacsai*  
Ernest Edmond Pacsai

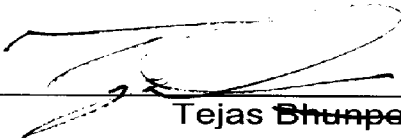
STATE OF Michigan )  
COUNTY OF Oakland ) SS:

On this 18<sup>th</sup> day of October, 1999.  
Personally appeared before me Ernest Edmond Pacsai 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.

DIANNA LANE JAMES  
Notary Public, Wayne County, MI  
My Commission Expires 09/3/2002

*Dianna Lane James*  
Notary Public

Signed at Farmington Hills  
County of Oakland and State of Michigan  
This 11<sup>th</sup> day of October, 1999

  
\_\_\_\_\_  
Tejas Bhupendra Desai  
BHUPENDRA TO

STATE OF Michigan )  
COUNTY OF Oakland )

SS:

On this 11<sup>th</sup> day of October, 1999.  
Personally appeared before me Tejas Bhupendra Desai 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.

DIANNA LANE JAMES  
Notary Public, Wayne County, MI  
My Commission Expires 09/3/2002

Dianna Lane James  
\_\_\_\_\_  
Notary Public  
Acting in Oakland County

Signed at FARMINGTON HILLS  
County of OAKLAND and State of MI  
This 1<sup>st</sup> day of APRIL, 1999.

Darius Christopher Rydahl  
\_\_\_\_\_  
Darius Christopher Rydahl

STATE OF Michigan )  
COUNTY OF Oakland )

SS:

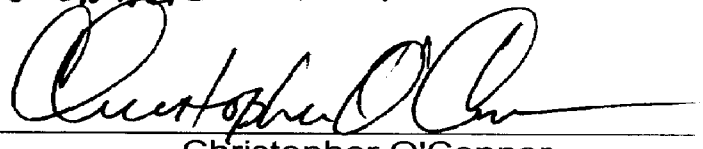
On this 1<sup>st</sup> day of April, 1999.  
Personally appeared before me Darius Christopher Rydahl to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

Dianna Lane James  
\_\_\_\_\_  
Notary Public  
Acting in Oakland County

DIANNA LANE JAMES  
Notary Public, Wayne County, MI  
My Commission Expires 09/3/2002

Signed at **FARMINGTON HILLS**  
County of **OAKLAND**  
This

and State of **MICHIGAN**  
**10th** day of **DECEMBER**, 19 **99**



Christopher O'Connor

STATE OF *Michigan* )  
COUNTY OF *Oakland* )

SS:

On this **10<sup>th</sup>** day of **December**, 19**99**.

Personally appeared before me Christopher O'Connor 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.



Notary Public

*Acting in Oakland County*

DIANNA LANE JAMES  
Notary Public, Wayne County, MI  
My Commission Expires 09/3/2002