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U.S. Department of Commerce
Patent and Trademark Office

OUR FILE TRW(TE)4375

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

1. Name of conveying party(ies):

James J. Mailloux
Brian S. MartsAdditional name(s) of conveying party(ies) attached ☐ Yes ☐ No

3. Nature of conveyance:

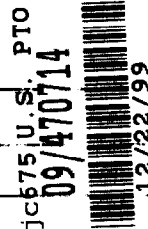
- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: December 16, 1999

2. Name and address of receiving party(ies)

Name: TRW Inc.

Internal Address: _____

Street Address: 1900 Richmond RoadCity: Lyndhurst State: OH Zip: 44124Additional 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 December 16, 1999

A. Patent Application No.(s)

B. Patent No.(s)

09/470714

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 BuildingStreet Address: 526 Superior AvenueCity: Cleveland State: Ohio Zip: 44114-14006. Total number of applications and patents involved: 17. 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)

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

01/11/2000 DTHMS 00000013 09/470714

40.00 DP

THOMAS L. TAROLLI

Name of Person Signing
Reg. No. 20,177

Signature

12-22-99

Date

Total number of pages including cover sheet, attachments, and document: 3Mail Documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington D.C. 20231PATENT
REEL: 010481 FRAME: 0019

ASSIGNMENT

WHEREAS, we, James J. Mailloux and Brian S. Marts, of Terra Haute, County of Vigo, and State of Indiana; of Marshall, County of Clark, and State of Illinois, respectively, have made new and useful improvements in **APPARATUS AND METHOD FOR INLINE TESTING OF ELECTRICAL COMPONENTS**;

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 James J. Mailloux and Brian S. Marts, 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 16th day of December 1999, and the 16th 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

County of

This Clark

day of

and State of Indiana Ill.
1999

Dec. 16th

James J. Mailloux
James J. Mailloux

STATE OF ILLINOIS

COUNTY OF CLARK

SS:



On this SIXTEENTH

day of DECEMBER, 1999.

Personally appeared before me James J. Mailloux 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.

Etta S. Lindley
Notary Public

PATENT

REEL: 010481 FRAME: 0020

Signed at
County of Clark
This

and State of ILL
day of Dec. 16, 1999

Brian S. Marts
Brian S. Marts

STATE OF ILLINOIS
COUNTY OF CLARK

SS:



On this SIXTEENTH day of DECEMBER, 1999.
Personally appeared before me Brian S. Marts 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.

Etta S. Lindley
Notary Public