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## PATENTS ONLY

U.S. Department of Commerce  
Patent and Trademark Office

OUR FILE TRW(RG)4813PCT/US

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

1. Name of conveying party(ies):  
Daniel E. Williams

16.03

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

3. Nature of conveyance:

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

Execution Date: October 18, 2002

2. Name and address of receiving party(ies)

Name: TRW Inc.

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

Street Address: 1900 Richmond RoadCity: Lyndhurst State: Ohio 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 \_\_\_\_\_

A. Patent Application No.(s): 10/239,756,  
filed September 25, 2002

B. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom  
correspondence concerning document  
should be mailed:Name: Thomas L. TarolliInternal Address: Tarolli, Sundheim, Covell,  
& Tummino L.L.P.Suite 1111Street 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 is a check for the amount indicated above.  
☐ Authorized to be charged to deposit account.

8. Deposit Account No.

20-0090 (charge for insufficient fees only)

(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

Thomas L. Tarolli

Name of Person Signing

Reg. No. 20,177

Signature

Date

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

01/08/2003 SNAJARRO 00000136 10239756

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40.00 OP  
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PATENT  
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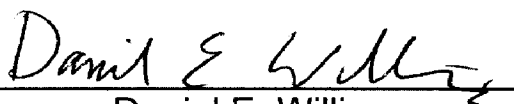
# ASSIGNMENT

WHEREAS, I, Daniel E. Williams, of W. Lafayette, County of Tippecanoe, and State of Indiana, have made new and useful improvements in **STEER-BY-WIRE STEERING SYSTEM WITH ROAD FEEL**; for which application for Letters Patent of the United States has been filed on September 25, 2002 under Serial No. 10/239,756; and

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 Daniel E. Williams, 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, said application Serial No. 10/239,756 for the United States patent, all patents granted 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 TRW Commercial Steering Systems, Lafayette  
County of Tippecanoe and State of Indiana  
This 18th day of October, 2002.

  
Daniel E. Williams

STATE OF INDIANA