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FORM PTO-1595
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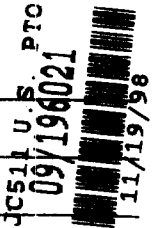
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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): 09196021
Gary W. Littmann
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) & address(es) attached? Yes No



3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: 11-18-98

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: 11-18-98
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: Thomas L. Tarolli, Esq.
Internal Address: _____
Street Address: 526 Superior Ave.
1111 Leader Building
City: Cleveland State: OH ZIP: 44114

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

DO NOT USE THIS 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
Thomas L. Tarolli Signature
11-19-98 Date
Reg. No. 20,177 Total number of pages including cover sheet, attachments, and document: 2

ASSIGNMENT

WHEREAS, I, Gary W. Littmann, of Shelby Township, County of Macomb, and State of Michigan, have made new and useful improvements in BALL JOINT WITH TWO-PIECE BEARING AND DEVICE;

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 Gary W. Littmann, 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 18th day of November 1998, 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, Inc.
County of macomb and State of Michigan
this 18th day of November, 1998.

Gary W. Littmann
Gary W. Littmann

STATE OF)
COUNTY OF) SS:
On this 18th day of November, 1998,
personally appeared before me Gary W. Littmann 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.

Carole Lynne Sipila
Notary Public
CAROLE LYNNE SIPILA
Notary Public, Macomb County, MI
My Commission Expires Jan. 13, 2003