

01-10-2002

FORM PTO-1596

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U.S. Department of Commerce
Patent and Trademark Office

OUR FILE TRW(VSSIM)5598

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

1. Name of conveying party(ies):

Harold R. Blomquist
Abdelkader M. Helmy
William P. Sampson and Michael G. MangumAdditional 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: 8-31-01;6-18-01; 12-21-01

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 8-31-01;6-18-01; 12-21-01

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: 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)

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

THOMAS L. TAROLLI

Name of Person Signing

Reg. No. 20,177

Signature

12-27-01

Date

Total number of pages including cover sheet, attachments, and document: 4

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

PATENT
 REEL: 012427 FRAME: 0003

ASSIGNMENT

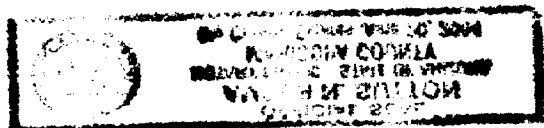
WHEREAS, we, Harold R. Blomquist, Abdelkader M. Helmy, William P. Sampson and Michael G. Mangum, of Gilbert, County of Maricopa, and State of Arizona; of Sparks, County of Washoe, and State of Nevada, of Sparks, County of Washoe, and State of Nevada; of Mesa, County of Maricopa, and State of Arizona respectively, have made new and useful improvements in **COOL BURNING GAS GENERATING MATERIAL FOR A VEHICLE OCCUPANT PROTECTION APPARATUS**;

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 Harold R. Blomquist, Abdelkader M. Helmy, William P. Sampson and Michael G. Mangum 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 31 day of August 2001, 18th day of June 2001, 18th day of June 2001, and the 9th day of November 2001, 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 4403 E. Broadway Mesa, AZ 85206
County of Maricopa and State of Arizona
This 31st day of August, 2001.


Harold R. Blomquist



Signed at
County of
This

and State of
day of June, 2001.

Abdelkader M. Helmy

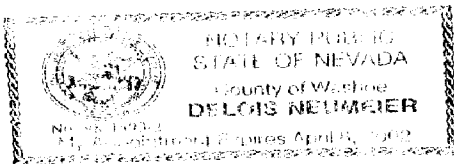
Abdelkader M. Helmy

STATE OF Nevada)
COUNTY OF Storey)

SS:

On this 18th day of June, 2001.

Personally appeared before me Abdelkader M. Helmy 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.

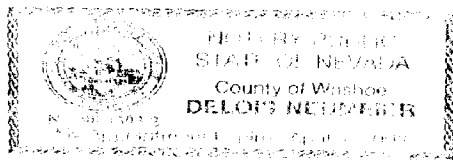


Delois Neumeier
Notary Public

Signed at
County of Storey
This

18th day of

and State of Nevada
June, 2001.



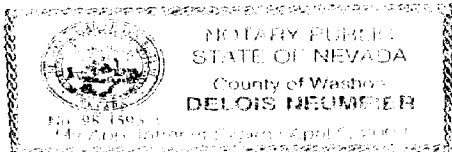
William P. Sampson
William P. Sampson

STATE OF Nevada)
COUNTY OF Storey)

SS:

On this 18th day of June, 2001.

Personally appeared before me William P. Sampson 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.



Delois Neumeier
Notary Public

Signed at
County of Maricopa
This 21st

and State of Arizona
day of December, 2001.

Michael G. Mangum
Michael G. Mangum

STATE OF Arizona)
COUNTY OF Maricopa)

SS:

On this 21st day of Dec, 20 01
Personally appeared before me Michael G. Mangum 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.

Rachel M. Mata
Notary Public

