
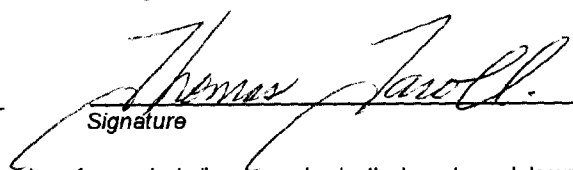


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<b>FORM PTO-1535</b> (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) Tab settings ⇄⇄⇄		<b>ET</b> U.S. Department of Commerce Patent and Trademark Office <b>OUR FILE TRW(VSSIM)5502</b>
To the Honorable Commissioner of Patents and Trademarks 		101636757 attached original documents or copy thereof.
<b>1. Name of conveying party(ies):</b> Peter J. Astrauskas David D. Ryder  Additional name(s) of conveying party(ies) attached <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>2. Name and address of receiving party(ies)</b>  Name: <u>TRW Inc.</u>  Internal Address: _____  _____  Street Address: <u>1900 Richmond Road</u>  _____  City: <u>Lyndhurst</u> State: <u>OH</u> Zip: <u>44124</u>  Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>January 15, 2001</u>		
<b>4. Application number(s) or patent number(s):</b> If this document is being filed together with a new application, the execution date of the application is _____ A. Patent Application No.(s) _____ B. Patent No.(s) _____ U.S. Serial No. <u>09/727,199</u> Filed <u>11-30-00</u>  Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  Name: <u>THOMAS L. TAROLLI, ESQ.</u>  Internal Address: <u>Tarolli, Sundheim, Covell,</u> <u>Tummino &amp; Szabo L.L.P.</u> <u>1111 Leader Building</u>  Street Address: <u>526 Superior Avenue</u>  City: <u>Cleveland</u> State: <u>Ohio</u> Zip: <u>44114-1400</u>		<b>6. Total number of applications and patents involved:</b> <u>1</u>  <b>7. Total fee (37 CFR 3.41).....</b> <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account.  <b>8. Deposit Account No.</b> <u>20-0090</u>  (Attach duplicate copy of this page if paying by deposit account)
<b>DO NOT USE SPACE</b>		
<b>9. Statement and signature.</b> 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  <u>THOMAS L. TAROLLI</u> Name of Person Signing Reg. No. 20,177   Signature  <u>3-7-01</u> Date  Total number of pages including cover sheet, attachments, and document: <u>3</u>		

Mail Documents to be recorded with required cover sheet information to:  
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Washington D.C. 20231

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**PATENT**  
**REEL: 011572 FRAME: 0063**

# ASSIGNMENT

WHEREAS, we, Peter J. Astrauskas and David D. Ryder, of Mesa, County of Maricopa, and State of Arizona; of Manassas, County of Manassas City, and State of Virginia, respectively, have made new and useful improvements in **BINDER FOR A GAS GENERATING MATERIAL**; for which application for Letters Patent of the United States has been filed on November 30, 2000 under Serial No. 09/727,199

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 Peter J. Astrauskas and David D. Ryder, 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. 09/727,199, 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 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 *TRW Vehicle Safety Systems, Mesa, AZ*  
County of *Maricopa* and State of *Arizona*  
This *15th* day of *JANUARY*, 2001.

  
Peter J. Astrauskas

STATE OF *Arizona* )  
COUNTY OF *Maricopa* ) SS:

On this *15th* day of *JANUARY*, 2001  
Personally appeared before me Peter J. Astrauskas 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



PATENT

REEL: 011572 FRAME: 0064

Signed at Gainseville Virginia  
County of Prince William and State of Virginia  
This 15 day of January, 2001



David D. Ryder

STATE OF VIRGINIA )  
COUNTY OF PRINCE WILLIAM ) SS:

On this fifteenth day of January, 2001.

Personally appeared before me David D. Ryder 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

My commission expires 3-31-2003