

04-12-2001

FORM PTO-1595

REC

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OMB No. 0651-0011 (exp. 4/94)

Tab settings ⇌⇌⇌



101660320

U.S. Department of Commerce  
Patent and Trademark Office

OUR FILE TRW(VSSIM)4693

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

## 1. Name of conveying party(ies):

Roy D. Van Wynsberghe, Lee D. Bergerson, Dean M. Esterberg, Homer W. Fogle, Jr., Brian R. Pitstick, Christopher C. Shih, Ivan L. Stonich, Eric N. Streif, Timothy A. Swann, Bryan W. Shirk

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

## 3. Nature of conveyance:

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

Execution Date: 1-16/9/25-01 &amp; 2-27/25-01

## 2. Name and address of receiving party(ies)

Name: TRW Vehicle Safety Systems Inc.

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

Street Address: 1900 Richmond Road

City: Lyndhurst State: OH Zip: 44124

Additional 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 1-16/9/25-01 &amp; 2-27/25-01

A. Patent Application No.(s)

B. Patent No.(s)

03/29/2001 EFLDRES 00000026 09818129

03 FC:581

40.00 OF

Additional numbers attached? ☐ Yes ☐ No

09818129

## 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 &amp; 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

3-27-01

Date

Total number of pages including cover sheet, attachments, and document: 10

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

PATENT  
 REEL: 011654 FRAME: 0219

# ASSIGNMENT

WHEREAS, we, Roy D. Van Wynsberghe, Lee D. Bergerson, Dean M. Esterberg, Homer W. Fogle, Jr., Brian R. Pitstick, Christopher C. Shih, Ivan L. Stonich, Eric N. Streif, Timothy A. Swann, and Bryan W. Shirk, of Mesa, County of Maricopa, and State of Arizona; of Fountain Valley, County of Orange, and State of California; of Tempe, County of Maricopa, and State of Arizona; of Mesa, County of Maricopa, and State of Arizona; of Mesa, County of Maricopa, and State of Arizona; of Torrance, County of Los Angeles, and State of California; of Hermosa Beach, County of Los Angeles, and State of California; of Higley, County of Maricopa, and State of Arizona; of Mesa, County of Maricopa, and State of Arizona; of Mesa, County of Maricopa, and State of Arizona, along with Paul A. Bowers and Ernst M. Faigle, respectively, have made new and useful improvements in **AIR BAG INFLATORS**;

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 Roy D. Van Wynsberghe, Lee D. Bergerson, Dean M. Esterberg, and Homer W. Fogle, Jr., Brian R. Pitstick, Christopher C. Shih, Ivan L. Stonich, Eric N. Streif, Timothy A. Swann, and Bryan W. Shirk 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 JAN, 2000, 9th day of JAN, 2001, 25th day of JAN, 2001, 25th day of JAN, 2001, 25th day of JAN, 2001, 25th day of JAN, 2001, 27th day of February, 2001, and the 25th day of JAN, 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  
County of \_\_\_\_\_ and State of \_\_\_\_\_  
This \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.

\_\_\_\_\_  
Roy D. Van Wynsberghe

## ASSIGNMENT

WHEREAS, we, Roy D. Van Wynsberghe, Lee D. Bergerson, Dean M. Esterberg, Homer W. Fogle, Jr., Brian R. Pitstick, Christopher C. Shih, Ivan L. Stonich, Eric N. Streif, Timothy A. Swann, and Bryan W. Shirk, of Mesa, County of Maricopa, and State of Arizona; of Fountain Valley, County of Orange, and State of California, of Tempe, County of Maricopa, and State of Arizona; of Mesa, County of Maricopa, and State of Arizona; of Mesa, County of Maricopa, and State of Arizona; of Torrance, County of Los Angeles, and State of California; of Hermosa Beach, County of Los Angeles, and State of California; of Higley, County of Maricopa, and State of Arizona; of Mesa, County of Maricopa, and State of Arizona; of Mesa, County of Maricopa, and State of Arizona, along with Paul A. Bowers and Ernst M. Faigle, respectively, have made new and useful improvements in **AIR BAG INFLATORS**;

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 Roy D. Van Wynsberghe, Lee D. Bergerson, Dean M. Esterberg, and Homer W. Fogle, Jr., Brian R. Pitstick, Christopher C. Shih, Ivan L. Stonich, Eric N. Streif, Timothy A. Swann, and Bryan W. Shirk 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 January, 2008, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_ and the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_, 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 \_\_\_\_\_ and State of \_\_\_\_\_  
This \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

  
Roy D. Van Wynsberghe

**PATENT**  
**REEL: 011654 FRAME: 0221**

STATE OF )

COUNTY OF )

SS:

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

Personally appeared before me Roy D. Van Wynsberghe 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

Signed at Redondo Beach

County of Los Angeles

This

9th

day of

January

and State of California

, 2001.

*Lee D. Bergerson*

\_\_\_\_\_  
Lee D. Bergerson

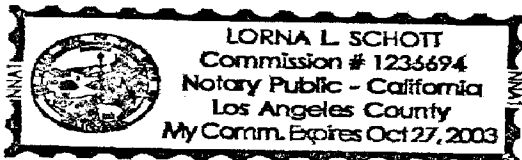
STATE OF CALIFORNIA )

COUNTY OF LOS ANGELES )

SS:

On this 9th day of January, 2001.

Personally appeared before me Lee D. Bergerson 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.



*Lorna L. Schott*

\_\_\_\_\_  
Notary Public

Signed at

County of

This

day of

and State of

, 20\_\_.

\_\_\_\_\_  
Dean M. Esterberg,

STATE OF )

COUNTY OF )

SS:

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

Personally appeared before me Dean M. Esterberg, 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.

\_\_\_\_\_  
PATENT

REEL: 011654 FRAME: 0222

STATE OF )

) SS:

COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

Personally appeared before me Roy D. Van Wynsberghe 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

Signed at \_\_\_\_\_

County of \_\_\_\_\_

and State of \_\_\_\_\_

This \_\_\_\_\_

day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Lee D. Bergerson

STATE OF )

) SS:

COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

Personally appeared before me Lee D. Bergerson 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

Signed at \_\_\_\_\_

County of \_\_\_\_\_

and State of \_\_\_\_\_

This \_\_\_\_\_

day of \_\_\_\_\_, 20\_\_.

Dean M. Esterberg  
Dean M. Esterberg,

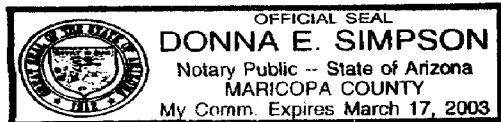
STATE OF Arizona )

) SS:

COUNTY OF Maricopa )

On this 25th day of JANUARY, 2001.

Personally appeared before me Dean M. Esterberg, 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.



Donna E. Simpson  
Notary Public

REEL: 011654 FRAME: 0223

Signed at Mesa  
County of Maricopa  
This 25

and State of Arizona  
day of January, 2001.

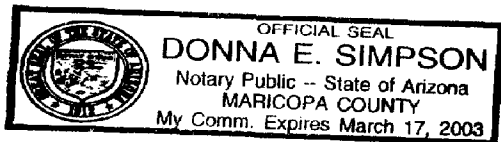
Homer W. Fogle, Jr.

Homer W. Fogle, Jr.

STATE OF Arizona )  
COUNTY OF Maricopa )

SS:

On this 25th day of JANUARY, 2001  
Personally appeared before me Homer W. Fogle, Jr. 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.



Donna E. Simpson  
Notary Public

Signed at Mesa  
County of Maricopa  
This 25

and State of Arizona  
day of January, 2001

Brian R. Pitstick

Brian R. Pitstick

STATE OF Arizona )  
COUNTY OF Maricopa )

SS:

On this 25th day of JANUARY, 2001  
Personally appeared before me Brian R. Pitstick 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.



Donna E. Simpson  
Notary Public

Signed at  
County of  
This

and State of  
day of , 20 .

Christopher C. Shih

Signed at  
County of  
This

day of and State of , 20 .

\_\_\_\_\_  
Homer W. Fogle, Jr.

STATE OF )  
COUNTY OF ) SS:

On this day of , 20 .  
Personally appeared before me Homer W. Fogle, Jr. 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

Signed at  
County of  
This

day of and State of , 20 .

\_\_\_\_\_  
Brian R. Pitstick

STATE OF )  
COUNTY OF ) SS:

On this day of , 20 .  
Personally appeared before me Brian R. Pitstick 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

Signed at Redondo Beach  
County of Los Angeles  
This 9th day of

and State of California  
January , 20 01.

Christopher C. Shih  
Christopher C. Shih

STATE OF CALIFORNIA )  
 )  
COUNTY OF LOS ANGELES )

SS:

On this 9th day of January, 2001.  
Personally appeared before me Christopher C. Shih 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.



*Lorna L. Schott*

Notary Public

Signed at Redondo Beach  
County of Los Angeles and State of California  
This 9th day of January, 2001.

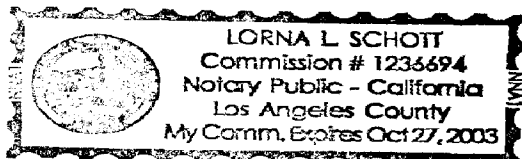
*Ivan L. Stonich*

Ivan L. Stonich

STATE OF CALIFORNIA )  
 )  
COUNTY OF LOS ANGELES )

SS:

On this 9th day of January, 2001.  
Personally appeared before me Ivan L. Stonich 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.



*Lorna L. Schott*

Notary Public

Signed at  
County of and State of  
This day of , 20 .

*Eric N. Streif*

Eric N. Streif

STATE OF )  
 )  
COUNTY OF )

SS:

On this day of , 20 .  
Personally appeared before me Eric N. Streif 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: 011654 FRAME: 0226



STATE OF )

COUNTY OF )

SS:

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

Personally appeared before me Christopher C. Shih 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

Signed at

County of \_\_\_\_\_  
This \_\_\_\_\_

\_\_\_\_\_ and State of \_\_\_\_\_  
day of \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
Ivan L. Stonich

STATE OF )

COUNTY OF )

SS:

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

Personally appeared before me Ivan L. Stonich 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

Signed at \_\_\_\_\_

County of \_\_\_\_\_  
This \_\_\_\_\_

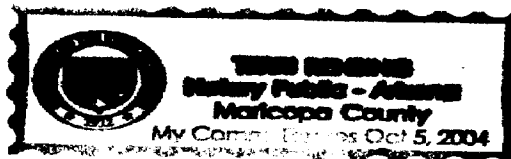
\_\_\_\_\_ and State of \_\_\_\_\_  
day of \_\_\_\_\_, 2001.

\_\_\_\_\_  
Eric N. Streif

STATE OF ARIZONA )

COUNTY OF MARICOPA )

SS:



On this 5<sup>th</sup> day of February, 2001.

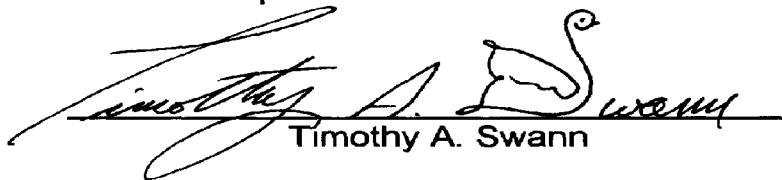
Personally appeared before me Eric N. Streif to me known to be the person named in and who executed the above instrument, and acknowledged to me that he executed the same for the uses and the purposes therein mentioned.

\_\_\_\_\_  
Notary Public

PATENT

REEL: 011654 FRAME: 0227

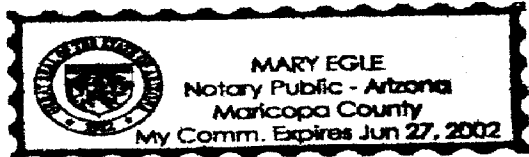
Signed at Phoenix  
County of Maricopa and State of Arizona  
This 27<sup>th</sup> day of February, 2001.

  
Timothy A. Swann

STATE OF Arizona )  
COUNTY OF Maricopa )

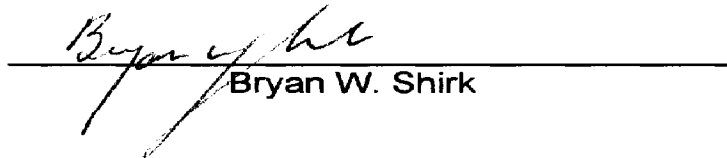
SS:

On this 27<sup>th</sup> day of February, 2001.  
Personally appeared before me Timothy A. Swann 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

Signed at Phoenix  
County of Maricopa and State of Arizona  
This 25<sup>th</sup> day of January, 2001.

  
Bryan W. Shirk

STATE OF Arizona )  
COUNTY OF Maricopa )

SS:

On this 25<sup>th</sup> day of JANUARY, 2001.  
Personally appeared before me Bryan W. Shirk 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