

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT2695755

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
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<table border="1"> <tr> <td>Name:</td> <td>TRW AUTOMOTIVE U.S. LLC</td> </tr> <tr> <td>Street Address:</td> <td>12001 TECH CENTER DRIVE</td> </tr> <tr> <td>City:</td> <td>LIVONIA</td> </tr> <tr> <td>State/Country:</td> <td>MICHIGAN</td> </tr> <tr> <td>Postal Code:</td> <td>48150</td> </tr> </table>		Name:	TRW AUTOMOTIVE U.S. LLC	Street Address:	12001 TECH CENTER DRIVE	City:	LIVONIA	State/Country:	MICHIGAN	Postal Code:	48150						
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CORRESPONDENCE DATA																	
<p>Fax Number:</p> <p>Phone: 216 621-2234</p> <p>Email: mgreff@tarolli.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: BARRY L TUMMINO</p> <p>Address Line 1: 1300 E 9TH STREET</p> <p>Address Line 2: SUITE 1700</p> <p>Address Line 4: CLEVELAND, OHIO 44114</p>																	
ATTORNEY DOCKET NUMBER:	TE-021851 WO ORD																

PATENT

NAME OF SUBMITTER:	BARRY L. TUMMINO
Signature:	/Barry L. Tummino/
Date:	01/24/2014
<b>Total Attachments: 5</b> source=TE021851assignment#page1.tif source=TE021851assignment#page2.tif source=TE021851assignment#page3.tif source=TE021851assignment#page4.tif source=TE021851assignment#page5.tif	

## ASSIGNMENT

WHEREAS, we, Chek-Peng Foo, Huahn Fern Yeh, Paul Leo Sumner, Raymond David, Kevin Daniel Weiss, Lila Ghannam and Meng-Fu Tsai, of Ann Arbor, County of Washtenaw, and State of Michigan, of Novi, County of Oakland, and State of Michigan, of Farmington Hills, County of Oakland, and State of Michigan, of Dearborn Heights, County of Wayne, and State of Michigan, of Huntington Woods, County of Oakland, and State of Michigan, of Northville, County of Wayne, and State of Michigan and of Ann Arbor, County of Washtenaw, and State of Michigan respectively, have made new and useful improvements in **METHOD AND APPARATUS FOR CONTROLLING AN ACTUATABLE RESTRAINING DEVICE USING MULTI-REGION ENHANCED DISCRIMINATION**; for which a PCT International Patent Application has been filed on December 3, 2013, under Application Number PCT/US2013/72785; and

WHEREAS, TRW Automotive U.S. LLC, a limited liability company duly organized and existing under the laws of the State of Delaware, having a place of business at Livonia, County of Wayne, State of Michigan, is desirous of acquiring the entire right, title and interest in and to the said improvements and all patents therefor to be obtained in any and all PCT contracting states including the United States of America and any country or 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 Chek-Peng Foo, Huahn Fern Yeh, Paul Leo Sumner, Raymond David, Kevin Daniel Weiss, Lila Ghannam and Meng-Fu Tsai, do hereby assign, sell and set over unto the said TRW Automotive U.S. LLC its successors or assigns, the entire right, title and interest in and to the said improvements and any and all inventions pertaining thereto, said PCT application No. PCT/US2013/72785, all patents granted therefor in any PCT contracting states and in any country or countries, and the right to apply for patents therefor in any and all PCT contracting states and any country or countries and to claim priority for such applications, and we hereby request any official of any and all PCT contracting states, of and the United States and 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 Automotive U.S. LLC 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 Automotive U.S. LLC its successors or assigns in order to fully secure, protect and preserve its rights to the said improvements and to obtain patents therefor in any and all PCT contracting states including the United States of America and in any country or countries foreign to the United States, all without further consideration but at the expense of the said TRW Automotive U.S. LLC its successors or assigns.

Signed at FARMINGTON HILLS  
County of OAKLAND  
This 10<sup>TH</sup>

and State of MICHIGAN  
day of JANUARY, 2014

Chek-Peng Foo  
Chek-Peng Foo

STATE OF Michigan  
COUNTY OF Oakland

On this 10<sup>th</sup> day of January, 2014  
Personally appeared before me Chek-Peng Foo 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.

**BARBARA HULME**  
NOTARY PUBLIC WAYNE CO., MI.  
MY COMMISSION EXPIRES FEB. 6, 2016

Barbara Hulme  
Notary Public

Signed at Farmington Hills  
County of Oakland  
This 10<sup>th</sup>

and State of Michigan  
day of January, 2014

Huahn-Fern Yeh  
Huahn-Fern Yeh

STATE OF Michigan  
COUNTY OF Oakland

On this 10<sup>th</sup> day of January, 2014  
Personally appeared before me Huahn-Fern Yeh 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.

**BARBARA HULME**  
NOTARY PUBLIC WAYNE CO., MI.  
MY COMMISSION EXPIRES FEB. 6, 2016

Barbara Hulme  
Notary Public

Signed at Farmington Hills  
County of Oakland and State of Michigan  
This 10th day of January, 2014.

Paul Leo Sumner

Paul Leo Sumner

STATE OF

COUNTY OF

On this 10th day of January, 2014,  
Personally appeared before me Paul Leo Sumner 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.

BARBARA HULME  
NOTARY PUBLIC WAYNE CO., MI.  
MY COMMISSION EXPIRES FEB. 6, 2018

Barbara Hulme  
Notary Public

Signed at Farmington Hills  
County of Oakland and State of Michigan  
This 10th day of January, 2014.

Raymond J David  
Raymond David

STATE OF

COUNTY OF

On this 10th day of January, 2014,  
Personally appeared before me Raymond David 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.

BARBARA HULME  
NOTARY PUBLIC WAYNE CO., MI.  
MY COMMISSION EXPIRES FEB. 6, 2018

Barbara Hulme  
Notary Public

Signed at FARMINGTON HILLS  
County of OAKLAND  
This TENTH

and State of MICHIGAN  
day of JANUARY, 2014.

Kevin Daniel Weiss  
Kevin Daniel Weiss

STATE OF Michigan )  
COUNTY OF Oakland )

On this 10<sup>th</sup> day of January, 2014.  
Personally appeared before me Kevin Daniel Weiss 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.

**BARBARA HULME**  
NOTARY PUBLIC WAYNE CO., MI.  
MY COMMISSION EXPIRES FEB. 6, 2018

Barbara Hulme  
Notary Public

Signed at Farmington Hills  
County of Oakland  
This 10<sup>th</sup>

and State of Michigan  
day of Jan, 2014

Lila Ghannam  
Lila Ghannam

STATE OF Michigan )  
COUNTY OF Oakland )

On this 10<sup>th</sup> day of January, 2014.  
Personally appeared before me Lila Ghannam 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.

**BARBARA HULME**  
NOTARY PUBLIC WAYNE CO., MI.  
MY COMMISSION EXPIRES FEB. 6, 2018

Barbara Hulme  
Notary Public

Signed at Farmington Hills  
County of Oakland  
This 10<sup>th</sup>

and State of Michigan  
day of January, 2014

Meng-Fu Tsai  
Meng-Fu Tsai

STATE OF Michigan )  
COUNTY OF Oakland )

On this 10<sup>th</sup> day of January, 2014  
Personally appeared before me Meng-Fu Tsai 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.

BARBARA HULME  
NOTARY PUBLIC WAYNE CO., MI.  
MY COMMISSION EXPIRES FEB. 6, 2018

Barbara Hulme  
Notary Public