

6-22-06

06-27-2006



SHEET

U.S. Department of Commerce
Patent and Trademark Office

OUR FILE TRW(TE)7381PV

To the Honorable Commissioner of

103264880

attached original documents or copy thereof.

1. Name of conveying party(ies)/Execution Dates:

**Chek-Peng Foo; Huahn-Fern Yeh;
Kevin Daniel Weiss; Yaosying Kwang and
Kazuki Shiozawa**Execution Date(s): **June 19, 2006; June 19, 2006;
June 19, 2006; June 19, 2006; and
June 19, 2006**Additional name(s) of conveying party(ies) attached ☐ Yes ☒ No

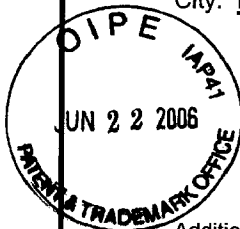
3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other: _____

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

Name: **TRW Automotive U.S. LLC**

Internal Address: _____

Street Address: **12001 Tech Center Drive**City: **Livonia** State: **MI** Zip: **48150**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 _____

A Patent Application No.(s): **11/416,674,**
filed May 3, 2006

B. Patent No.(s):

06/23/2006 BABRAHAI 00000029 11416674
02 FC:8021

(40.00 OP)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: **Barry L. Tummino**Internal Address: **Tarolli, Sundheim, Covell,
& Tummino L.L.P.**Street Address: **1300 East Ninth Street, Suite 1700**City: **Cleveland** State: **OH** Zip: **44114-1400**Phone Number: **(216) 621-2234**Fax Number: **(216) 621-4072**Email Address: **BTummino@Tarolli.com**6. Total number of applications and patents involved: **1**

7. Total fee (37 1.21(h) & 3.41).....\$40.00

- ☒ Enclosed is a check for the amount indicated above.
☐ Authorized to be charged to deposit account.
☐ Authorized to be charged by credit card
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card: Last 4 Numbers

Expiration Date: _____

Authorized User: _____

b. Deposit Account No.: **20-0090****(charge for insufficient fees only)**

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

9. Signature:

Barry L. TumminoName of Person Signing
Reg. No. 29,709

Signature

Date

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

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

PATENT
REEL: 018003 FRAME: 0800

ASSIGNMENT

WHEREAS, we, Chek-Peng Foo, Huahn-Fern Yeh, Kevin Daniel Weiss, Yaosying Kwang, and Kazuki Shiozawa, 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 Novi, County of Oakland, 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 XY CRUSH-ZONE SATELLITE ACCELEROMETERS**; for which application for Letters Patent of the United States has been filed on May 3, 2006, under Serial No. 11/416,674; and

WHEREAS, TRW Automotive U.S. LLC, a corporation 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 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 Chek-Peng Foo, Huahn-Fern Yeh, Kevin Daniel Weiss, Yaosying Kwang and Kazuki Shiozawa 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 application Serial No. 11/416,674, 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 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 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 Automotive U.S. LLC its successors or assigns.

Signed at FARMINGTON HILLS
County of OAKLAND and State of MICHIGAN
This 19TH day of JUNE, 2006.

Chek-Peng Foo
Chek-Peng Foo

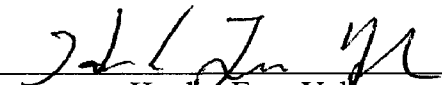
STATE OF Michigan)
COUNTY OF Oakland)

On this 19th day of June, 2006
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

BARBARY HULME
NOTARY PUBLIC WAYE CO., MI
MY COMMISSION EXPIRES FEB. 6, 2012

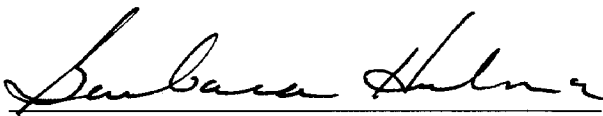
Signed at **FARMINGTON HILLS**
County of **OAKLAND** and State of **MICHIGAN**
This **19th** day of **JUNE**, 2006


Huahn-Fern Yeh

STATE OF **Michigan**)
COUNTY OF **Oakland**)

On this **19th** day of **June**, 2006
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.

BARBARY HULME
NOTARY PUBLIC WAYE CO., MI
MY COMMISSION EXPIRES FEB. 6, 2012

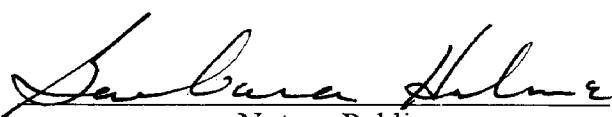

Notary Public

Signed at **FARMINGTON HILLS**
County of **OAKLAND** and State of **MICHIGAN**
This **19th** day of **JUNE**, 2006


Kevin Daniel Weiss

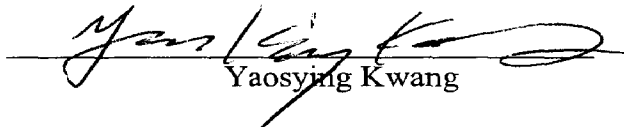
STATE OF **Michigan**)
COUNTY OF **Oakland**)

On this **19th** day of **June**, 2006
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.


Notary Public

BARBARY HULME
NOTARY PUBLIC WAYE CO., MI
MY COMMISSION EXPIRES FEB. 6, 2012

Signed at Farmington Hills
County of Oakland and State of Michigan
This 19th day of June, 2006

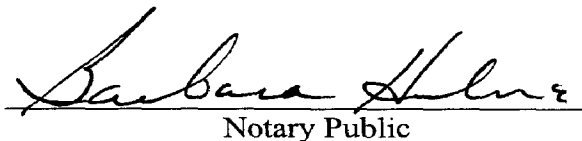

Yaosying Kwang

STATE OF Michigan)
COUNTY OF Oakland)

On this 19th day of June, 2006

Personally appeared before me Yaosying Kwang 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.

BARBARY HULME
NOTARY PUBLIC WAYE CO., MI
MY COMMISSION EXPIRES FEB. 6, 2012


Notary Public

Signed at Farmington Hills
County of Oakland and State of Michigan
This 19th day of June, 2006

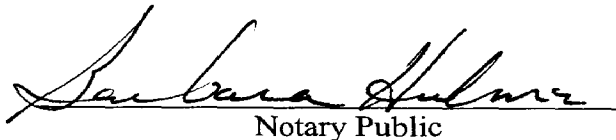

Kazuki Shiozawa

STATE OF Michigan)
COUNTY OF Oakland)

On this 19th day of June, 2006

Personally appeared before me Kazuki Shiozawa 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.

BARBARY HULME
NOTARY PUBLIC WAYE CO., MI
MY COMMISSION EXPIRES FEB. 6, 2012


Notary Public