

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Garold W. Masoner</td> <td>01/08/2009</td> </tr> <tr> <td>Gerard J. Zettler</td> <td>01/08/2009</td> </tr> <tr> <td>Jeridiah Welti</td> <td>01/08/2009</td> </tr> </tbody> </table>		Name	Execution Date	Garold W. Masoner	01/08/2009	Gerard J. Zettler	01/08/2009	Jeridiah Welti	01/08/2009
Name	Execution Date								
Garold W. Masoner	01/08/2009								
Gerard J. Zettler	01/08/2009								
Jeridiah Welti	01/08/2009								
RECEIVING PARTY DATA									
Name:	TRW Automotive U.S. LLC								
Street Address:	12001 Tech Center Drive								
City:	Livonia								
State/Country:	MICHIGAN								
Postal Code:	48150								
PROPERTY NUMBERS Total: 1									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12257317</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12257317				
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Application Number:	12257317								
CORRESPONDENCE DATA									
Fax Number:	(216)621-4072								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	216-621-2234								
Email:	AGalo@Tarolli.com								
Correspondent Name:	James L. Tarolli								
Address Line 1:	1300 East Ninth Street, Suite 1700								
Address Line 4:	Cleveland, OHIO 44114								
ATTORNEY DOCKET NUMBER:	TRW(BCS)-8831 US ORD								
NAME OF SUBMITTER:	James L. Tarolli								
Total Attachments: 2 source=BCS8831USORDAssign#page1.tif source=BCS8831USORDAssign#page2.tif									

OP \$40.00 12257317

PATENT

500763783

REEL: 022157 FRAME: 0974

ASSIGNMENT

WHEREAS, we, Garold W. Masoner, Gerard J. Zettler, and Jeridiah Welti of Saint Charles County of Olmstead, and State of Minnesota; of Winona, County of Winona, and State of Minnesota; and of Plainview, County of Wabasha, State of Minnesota, respectively, have made new and useful improvements in **SENSOR AND METHOD FOR DETERMINING AN ANGULAR POSITION OF A ROTOR**; for which application for Letters Patent of the United States has been filed on October 23, 2008, under Serial No. 12/257,317 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 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 Garold W. Masoner, Gerard J. Zettler, and Jeridiah Welti 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. 12/257,317, 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.

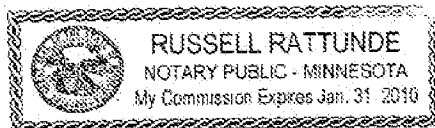
Signed at TRW Automotive 5676 Industrial Park Road, Winona, MN
County of Winona and State of Minnesota
This 8th day of January, 2009

Garold W. Masoner
Garold W. Masoner

STATE OF Minnesota)
COUNTY OF Winona)

On this 8th day of January, 2009
Personally appeared before me Garold W. Masoner 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.

Russell Rattunde
Notary Public



Signed at *TRW Automotive 5676 Industrial Park Road, Winona, MN*
County of *Winona* and State of *Minnesota*
This *8th* day of *January*, 200*8*.

Gerard J. Zettler

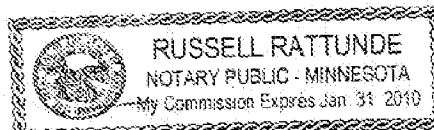
Gerard J. Zettler

STATE OF *Minnesota*
COUNTY OF *Winona*

On this *8th* day of *January*, 200*8*
Personally appeared before me Gerard J. Zettler 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.

Russell Rattunde

Notary Public



Signed at *TRW Automotive 5676 Industrial Park Road, Winona, MN*
County of *Winona* and State of *Minnesota*
This *8th* day of *January*, 200*8*.

Jeridiah Welti

Jeridiah Welti

STATE OF *Minnesota*
COUNTY OF *Winona*

On this *8th* day of *January*, 200*8*
Personally appeared before me Jeridiah Welti 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.

Russell Rattunde

Notary Public

