

# PATENT ASSIGNMENT

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<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Neil G. Murray, Jr.	09/02/2009
Yoshihiko Shimokawa	09/08/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TRW Automotive U.S. LLC
<b>Street Address:</b>	24175 Research Drive
<b>City:</b>	Farmington Hills
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48335
<b>Name:</b>	Michelin Recherche et Technique S.A.
<b>Street Address:</b>	Route Louis Braille 10
<b>City:</b>	Granges-Paccot
<b>State/Country:</b>	SWITZERLAND
<b>Postal Code:</b>	1763
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12510696
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	TE-018493-US-ORD

OP \$40.00 12510696

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**PATENT**  
**REEL: 023253 FRAME: 0705**

NAME OF SUBMITTER:	Barry L. Tummino
Total Attachments: 2 source=TE018493Assignment#page1.tif source=TE018493Assignment#page2.tif	


## ASSIGNMENT

WHEREAS, we, Neil G. Murray, Jr. and Yoshihiko Shimokawa of Wixom, County of Oakland, and State of Michigan; and of Howell, County of Livingston and State of Michigan, respectively have made new and useful improvements in **METHOD AND APPARATUS FOR OVERMOLDING A TIRE PRESSURE MONITOR SENSOR**; for which application for Letters Patent of the United States has been filed on July 28, 2009, under Serial No. 12/510,696;

WHEREAS, TRW Automotive U.S. LLC ("TRWA"), a limited liability company organized and existing under the laws of the State of Delaware, United States of America, and having offices at 24175 Research Drive, Farmington Hills, MI 48335, and MICHELIN Recherche et Technique S.A. ("MRT"), a Swiss corporation having a place of business at Route Louis Braille 10, 1763 Granges-Paccot, Switzerland are 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;

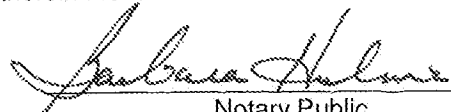
NOW THEREFORE, BE IT KNOWN that for valuable considerations to us paid, the receipt whereof is hereby acknowledged, we, the said Neil G. Murray, Jr. and Yoshihiko Shimokawa, do hereby assign, sell and set over unto the said TRWA and MRT, their successors or assigns, the entire right, title and interest in and to the said improvements and any and all inventions pertaining thereto, said application Serial No. 12/510,696 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 jointly to the said TRWA and MRT, their 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 TRWA and MRT, their 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 TRWA and MRT, their successors or assigns.

Signed at Farmington Hills  
County of Oakland and State of Michigan  
This 17 day of September, 2009.

  
Neil G. Murray, Jr.

STATE OF Michigan )  
COUNTY OF Oakland )

On this 17 day of Sept, 2009.  
Personally appeared before me Neil G. Murray, 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.

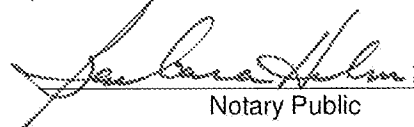
  
Notary Public

Signed at FARMINGTON HILLS  
County of OAKLAND and State of MICHIGAN  
This 17 day of SEPTEMBER, 2009.

  
Yoshihiko Shimokawa

STATE OF Michigan )  
COUNTY OF Oakland )

On this 17 day of Sept, 2009.  
Personally appeared before me Yoshihiko Shimokawa 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

BARBARA HULME  
NOTARY PUBLIC WAYNE CO., MI  
MY COMMISSION EXPIRES FEB. 8, 2012