U.S. PTO 12/284185 1(2 06 0000
FORM PTO-1595 09/19/2008 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)	0-06-2008 EET U.S. Department of Commerce Patent and Trademark Office OUR FILE TRW(RG)18642-PRI
	rademarks: Please record the attached original documents or copy thereof.
Name of conveying party(ies)/Execution Dates:	Name and address of receiving party(ies):
WILLIAM A. SZABELA JAMES R. JOHNSON KEVIN E. BOYLE	Name: TRW Automotive U.S. LLC
Execution Date(s): 9-5/16-08 & 8-8-08	Internal Address: ———————————————————————————————————
Additional name(s) of conveying party(ies) attached Yes No	
3. Nature of conveyance:	Street Address: 12025 Tech Center Drive
	City: Livonia State: MI Zip: 48150
Government Interest Assignment Executive Order 9424, Confirmatory License Other:	Additional name(s) and address(es) attached? Yes No
Application number(s) or patent number(s): If this document is being filed together with a new a	pplication, the execution date of the application is 9-5/16-08 * 8-8-08
A Patent Application No.(s):	B. Patent No.(s):
Additional numbers attached?	
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved: 1
Name: JAMES L. TAROLLI, ESQ.	7. Total fee (37 1.21(h) & 3.41)\$40.00
Internal Address: Tarolli, Sundheim, Covell,	Enclosed is a check for the amount indicated above.
& Tummino L.L.P.	Authorized to be charged to deposit account.
Street Address: 1300 East Ninth Street, Suite 1700	Authorized to be charged by credit card
City: Cleveland State: OH Zip: 44114-1400	None required (government interest not affecting title)
Phone Number: (216) 621-2234	8. Payment Information
Fax Number: (216) 621-4072	a. Credit Card: Last 4 Numbers
Email Address:	Expiration Date:
	b. Deposit Account No.: 20-0090 (charge for insufficient fees only)
	(Attach duplicate copy of this page if paying by deposit account)
9. Signature: JAMES L. TAROLLI	September 19, 2008
Name of Person Signing Signature Date Reg. No. 36,029	
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

69/22/2668

09/22/2008 CNGUYEN2 00000965 12284185

01 FC:8021

40.00 OP

REEL: 021642 FRAME: 0382

ASSIGNMENT

WHEREAS, we, William A. Szabela, James R. Johnson, and Kevin E. Boyle, of Brookston, County of White, and State of Indiana; of Lafayette, County of Tippecanoe, and State of Indiana; and of Lebanon, County of Boone, and State of Indiana respectively, have made new and useful improvements in APPARATUS FOR USE IN TURNING STEERABLE VEHICLE WHEELS;

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 William A. Szabela, James R. Johnson, and Kevin E. Boyle 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, the application for United States patent executed 5th day of <u>September</u> 20<u>08</u>, and the <u>8th</u> by us respectively on the 16th day of September Scale Department of 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 Commercial Steering Systems La fayette
County of Tippecanoe and State of Indiana
This 5th day of September, 2008.

William A. Szabela

PATENT REEL: 021642 FRAME: 0383 On this 5th day of September, 2008.

Personally appeared before me William A. Szabela 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.



Signed at TRW Commercial Steering Systems Lafayette
County of and State of
This ... With day of September , 2008.

James R Johnson

STATE OF INDIANA

SS:

COUNTY OF TIPPECANOE

On this 16th day of September, 2008. Personally appeared before me James R. Johnson 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: 021642 FRAME: 0384

Signed at TRW Commercial Steering Systems Lafayett County of Tippecanoe and State of Indiana. This 8th day of September, 2008.

Kevin E. Boyle

STATE OF INDIANA

COUNTY OF TIPPECANOE

SS:

On this

8th day of September, 2008.

Personally appeared before me Kevin E. Boyle 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.

EVA M. MCCORD
Tippecanoe County
My Corrimission Expires
September 29, 2015

Notary Public

PATENT

REEL: 021642 FRAME: 0385

RECORDED: 09/19/2008