

02-15-2008



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To the Honorable Commissioner of Patents and T.

nal documents or copy thereof.

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

Xing Ping Lin

Execution Date(s): January 7, 2008Additional 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. LLCStreet Address: 24175 Research Drive
Farmington Hills, MI-48335

and

Name: MICHELIN Recherche et Technique S.A.Street Address: Route Louis Braille 10
1763 Granges-Paccot
SWITZERLANDAdditional 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): 11/982,496,
filed November 2, 2007

B. Patent No.(s): _____

Additional numbers attached? ☐ Yes ☒ No

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

Name: Barry L. TumminoInternal Address: Tarolli, Sundheim, Covell,
& Tummino L.L.P.Street Address: 1300 East Ninth Street, Suite 1700City: Cleveland State: OH Zip: 44114-1400Phone Number: (216) 621-2234Fax Number: (216) 621-4072Email Address: BTummino@Tarolli.com6. Total number of applications and patents involved: 17. 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

February 7, 2008
DateTotal number of pages including cover sheet, attachments, and document: 2Mail Documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington D.C. 20231

02/12/2008 09:00:00 11982496

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02/12/2008

PATENT
REEL: 020519 FRAME: 0106

ASSIGNMENT

WHEREAS, I, Xing Ping Lin, of Orchard Lake, County of Oakland, and State of Michigan, respectively, have made new and useful improvements in **METHOD AND APPARATUS FOR DETERMINING TIRE LOCATION IN A TIRE PRESSURE MONITORING SYSTEM USING DIRECTIONAL LOW FREQUENCY INITIATION**; for which application for Letters Patent of the United States has been filed on November 2, 2007 under Serial No. 11/982,496;

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, 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 me paid, the receipt whereof is hereby acknowledged, I, the said Xing Ping Lin, 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. 11/982,496 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 I 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 7th day of Jan., 2008

Xing Ping Lin
Xing Ping Lin

STATE OF Michigan)
COUNTY OF Oakland)

On this 7th day of January, 2008.
Personally appeared before me Xing Ping Lin 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, State of Michigan
My Comm. Expires 12/31/2009
Acting in the County of Oakland

Jean M. Jones
Notary Public