

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Liqing Ma</td> <td>11/08/2012</td> </tr> <tr> <td>Ralf Mruk</td> <td>11/08/2012</td> </tr> <tr> <td>Bruce Raymond Hahn</td> <td>11/08/2012</td> </tr> </tbody> </table>		Name	Execution Date	Liqing Ma	11/08/2012	Ralf Mruk	11/08/2012	Bruce Raymond Hahn	11/08/2012
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Liqing Ma	11/08/2012								
Ralf Mruk	11/08/2012								
Bruce Raymond Hahn	11/08/2012								
RECEIVING PARTY DATA									
Name:	GOODYEAR TIRE & RUBBER COMPANY, THE								
Street Address:	200 Innovation Way								
Internal Address:	Intellectual Property Law, D/823								
City:	Akron								
State/Country:	OHIO								
Postal Code:	44316-0001								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13671593</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13671593				
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Application Number:	13671593								
CORRESPONDENCE DATA									
Fax Number:	3307969018								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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Address Line 1:	200 Innovation Way								
Address Line 2:	Intellectual Property Law, D/823								
Address Line 4:	Akron, OHIO 44316-0001								
ATTORNEY DOCKET NUMBER:	DN2012-151								
NAME OF SUBMITTER:	John D. DeLong								
Signature:	/John D. DeLong/								

PATENT

Date:

05/24/2013

Total Attachments: 3

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Docket No.: DN2012-151
Serial No.: 13/671,593
Filed: November 8, 2012

ASSIGNMENT

WHEREAS, WE, **Liqing Ma**, of 590 Parkhill Drive, Apt. 19, Fairlawn, Ohio 44333, U.S.A.; **Ralf Mruk** of 8, Géiewee, L-9164 Lipperscheid, Grand Duchy of Luxembourg; **Bruce Raymond Hahn** of 6881 Darrow Road, Hudson, Ohio 44210, U.S.A.; have invented certain improvements in **METHOD TO IMPROVE GREEN STRENGTH IN ELASTOMERS**, and described in a patent application executed the 8th day of November, 2012, by the undersigned for filing in The United States of America, being owners of all right, title and interest in and to said application and in and to any invention described therein and having full right to convey the entire interest both legal and equitable herein assigned; and

WHEREAS, THE GOODYEAR TIRE & RUBBER COMPANY, of Akron, Ohio 44316, a corporation of the State of Ohio (assignee) is desirous of acquiring the entire right, title and interest in and to said application and said invention described therein and any and all patents to be obtained therefor, all as hereinafter set forth:

NOW, THEREFORE, in consideration of good and valuable consideration received by the undersigned, the undersigned do hereby sell, assign, transfer and set over unto said assignee, its successors and assigns, the entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications under the provisions of the International Convention; also the entire right, title and interest in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorize and request the issuing authority to issue any and all patents on said application or applications to said assignee or its successors and assigns.

The undersigned further agree to execute all divisional, continuing, substitute, improvement, extension, reissue and other patent applications in this or any foreign country relating to said application or invention and to sign all other lawful papers and to perform all other lawful acts without further consideration, but without expense to myself (ourselves), which the assignee may deem necessary or desirable to make this Assignment fully effective including by way of example, but not of limitation, the following acts:

- (1) Prompt execution of all lawful oaths, affidavits and/or supplemental oaths required or deemed advisable by the assignee to further the prosecution of any application or applications for letters patent relating to the subject matter of this Assignment;
- (2) To cooperate to the best of our ability in the execution of all lawful documents, the production of evidence, and the giving of testimony in interference, opposition, nullification or infringement proceedings involving the said invention or improvement, applications or patents or any of them.

The undersigned hereby authorize said assignee to insert in this Assignment the serial number and

filing date of the above-identified application when known.

IN WITNESS WHEREOF, the undersigned have hereunto set their hands and seals on the dates set after their signatures.

Christanna M. Wilson (S.) Liqing Ma 11/08, 2012
WITNESS Liqing Ma

Christanna M. Wilson (S.) Ralf Mruk 11/08/1, 2012
WITNESS Ralf Mruk

Christanna M. Wilson (S.) Bruce Raymond Hahn 11/08/1, 2012
WITNESS Bruce Raymond Hahn

State of Ohio)
County of Summit) SS:

On this 8th day of November, 2012, before me personally appeared Liqing Ma to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledge the signing of same as his free act and deed.

Christanna M. Wilson
Notary Public
Christanna M. Wilson
Resident Summit County
Notary Public, State of Ohio
My Commission Expires: 02/02/2016

State of Ohio)
County of Summit) SS:

On this 8th day of November, 2012, before me personally appeared Ralf Mruk to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledge the signing of same as his free act and deed.

Christanna M. Wilson
Notary Public
Christanna M. Wilson
Resident Summit County
Notary Public, State of Ohio
My Commission Expires: 02/02/2016

State of Ohio)
County of Summit) SS:

On this 8th day of November, 2012, before me personally appeared Bruce Raymond Hahn to me personally known, and known to me to be the person who signed the foregoing assignment, and acknowledge the signing of same as his free act and deed.

Christina A. Wilson
Notary Public
Christina A. Wilson
Notary Public, State of Ohio
My Commission Expires: 03/02/2016