

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Amy M. Randall</td> <td>10/17/2011</td> </tr> <tr> <td>Sheel Agarwal</td> <td>10/19/2011</td> </tr> <tr> <td>William L. Hergenrother</td> <td>10/17/2011</td> </tr> </tbody> </table> | | Name | Execution Date | Amy M. Randall | 10/17/2011 | Sheel Agarwal | 10/19/2011 | William L. Hergenrother | 10/17/2011 | | |
| Name | Execution Date | | | | | | | | | | |
| Amy M. Randall | 10/17/2011 | | | | | | | | | | |
| Sheel Agarwal | 10/19/2011 | | | | | | | | | | |
| William L. Hergenrother | 10/17/2011 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"> <tr> <td>Name:</td> <td>Bridgestone Corporation</td> </tr> <tr> <td>Street Address:</td> <td>10-1, Kyobashi 1-Chome, Chuo-Ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>104-8340</td> </tr> </table> | | Name: | Bridgestone Corporation | Street Address: | 10-1, Kyobashi 1-Chome, Chuo-Ku | City: | Tokyo | State/Country: | JAPAN | Postal Code: | 104-8340 |
| Name: | Bridgestone Corporation | | | | | | | | | | |
| Street Address: | 10-1, Kyobashi 1-Chome, Chuo-Ku | | | | | | | | | | |
| City: | Tokyo | | | | | | | | | | |
| State/Country: | JAPAN | | | | | | | | | | |
| Postal Code: | 104-8340 | | | | | | | | | | |
| 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>13879855</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13879855 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13879855 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| Fax Number: 3303794064 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Phone: (330) 379-3839 Email: iplawpat@bfusa.com Correspondent Name: Bridgestone Americas, Inc. Address Line 1: 10 East Firestone Blvd. Address Line 4: Akron, OHIO 44317 | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | P09015US3A | | | | | | | | | | |
| NAME OF SUBMITTER: | Kathie J. Kopczyk | | | | | | | | | | |
| Signature: | /Kathie J. Kopczyk/ | | | | | | | | | | |
| Date: | 04/17/2013 | | | | | | | | | | |
| Total Attachments: 1 source=P09015US3A_ExecutedAssignment#page1.tif | | | | | | | | | | | |

CH \$40.00 13879855

ASSIGNMENT

We, Amy Randall, Sheel Agarwal and William Hergenrother, have made an invention which now is described and claimed in an application for patent entitled TREAD RUBBER COMPOUNDS HAVING IMPROVED ABRASION RESISTANCE USING FUNCTIONALIZED LIQUID POLYBUTADIENE, which application

- ☐ is being executed and filed concurrently herewith.
☒ was filed on October 18, 2010 and now is designated as United States patent application number 61/394,008.

NOW THEREFORE, pursuant to the obligations imposed by or arising under one or more of our employment agreement(s), advisor agreement(s), state or national statutes, common law, and administrative regulation, I hereby do make the following assignments -

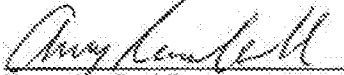
To BRIDGESTONE CORPORATION, a corporation created and duly organized under the laws of the nation of Japan and having a place of business at Tokyo, Japan, and its successors and assigns, we hereby


- assign, transfer, and set over the full and exclusive right to the above-described invention and to the above-described application for letters patent of the United States as well as any substitute, continuation, continuation-in-part, or divisional application filed thereon and to any letters patent of the United States that issues from such application(s) as well as any reissue application or request for reexamination filed on such letters patent;
 - covenant and agree for ourselves and our legal representative(s) to
 - a) assist said assignee and/or its designee(s), to the extent requested, in the prosecution of said application for patent, in any interference declared on said application for patent or patent issuing therefrom, or in litigation which arises out of or is based on said application for patent or patent issuing therefrom; and
 - b) execute all papers related to said application for patent which said assignee or its designee(s) request to be signed,
- provided that expenses relating thereto shall be borne by said assignee; and
- authorize and request the Commissioner of Patents and Trademarks to issue any letters patent of the United States relating to the above-described invention in the name of said assignee.

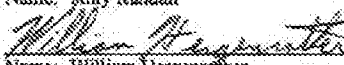
To BRIDGESTONE CORPORATION a corporation created and duly organized under the laws of the nation of Japan and having a place of business at Tokyo, Japan, and its successors and assigns, we hereby

- assign, transfer, and set over the full and exclusive right to any application for letters patent filed in any regional or national patent office other than the United States Patent and Trademark Office;
 - covenant and agree for ourselves and our legal representative(s) to
 - a) assist said assignee and/or its designee(s), to the extent requested, in the prosecution of any such applications for patent or in litigation which arises out of or is based on said application(s) for patent or patent(s) issuing therefrom; and
 - b) execute all papers related to said application(s) for patent which said assignee or its designee(s) request to be signed,
- provided that expenses relating thereto shall be borne by said assignee.

IN WITNESS WHEREOF, we have executed this document on the dates next to our respective names.

 10/17/11
 Name: Amy Randall date

 10/19/11
 Name: Sheel Agarwal date

 02/17/2011
 Name: William Hergenrother date

 Name: date

 Name: date

 Name: date

PATENT