

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | |
|---|--|---------------|-------------------------|-----------------------|--|-------------------|------------|-------------------|------------|----------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Zybslaw R. Owczarczyk</td> <td>09/15/2009</td> </tr> <tr> <td>Kevin M. McCauley</td> <td>08/13/2009</td> </tr> <tr> <td>Terrence E. Hogan</td> <td>08/13/2009</td> </tr> <tr> <td>Amy M. Randall</td> <td>08/13/2009</td> </tr> </tbody> </table> | | Name | Execution Date | Zybslaw R. Owczarczyk | 09/15/2009 | Kevin M. McCauley | 08/13/2009 | Terrence E. Hogan | 08/13/2009 | Amy M. Randall | 08/13/2009 |
| Name | Execution Date | | | | | | | | | | |
| Zybslaw R. Owczarczyk | 09/15/2009 | | | | | | | | | | |
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| Terrence E. Hogan | 08/13/2009 | | | | | | | | | | |
| Amy M. Randall | 08/13/2009 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Bridgestone Corporation</td> </tr> <tr> <td>Street Address:</td> <td>Toda Building, 7-1 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>104-0031</td> </tr> </table> | | Name: | Bridgestone Corporation | Street Address: | Toda Building, 7-1 Kyobashi 1-chome, Chuo-ku | City: | Tokyo | State/Country: | JAPAN | Postal Code: | 104-0031 |
| Name: | Bridgestone Corporation | | | | | | | | | | |
| Street Address: | Toda Building, 7-1 Kyobashi 1-chome, Chuo-ku | | | | | | | | | | |
| City: | Tokyo | | | | | | | | | | |
| State/Country: | JAPAN | | | | | | | | | | |
| Postal Code: | 104-0031 | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | |
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Property Type</th> <th style="width: 70%;">Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12535911</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 12535911 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 12535911 | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | |
| <p>Fax Number: (330)379-4064 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 330-379-3839 Email: iplawpat@bfusa.com Correspondent Name: Chief IP Counsel Address Line 1: 1200 Firestone Parkway Address Line 4: Akron, OHIO 44317</p> | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | P08056US2A | | | | | | | | | | |
| NAME OF SUBMITTER: | Meredith E. Hooker | | | | | | | | | | |
| <p>Total Attachments: 5 source=RecordationCoverSheet#page 1.tif</p> | | | | | | | | | | | |

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source=P08056US2A_Assignment#page2.tif

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Zybslaw R. Owczarczyk, Kevin M. McCauley, Terrence E. Hogan,
Amy M. Randall

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Bridgestone Corporation

Internal Address: _____

Street Address: Toda Building, 7-1, Kyobashi 1-chome,

Chuo-ku

City: Tokyo

State: _____

Country: Japan

Zip: 104-0031

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 9/15/09, 8/13/09, 8/13/09, 8/13/09

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Joint Research Agreement

☐ Government Interest Assignment

☐ Executive Order 9424, Confirmatory License

☐ Other _____

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

12/535,911

Additional numbers attached? ☐ Yes ☒ No

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

Name: Chief IP Counsel

Internal Address: _____

Street Address: 1200 Firestone Parkway

City: Akron

State: Ohio

Zip: 44317

Phone Number: 330-379-3839

Fax Number: 330-379-4064

Email Address: jplawpat@bfusa.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

☒ Authorized to be charged to deposit account

☐ Enclosed

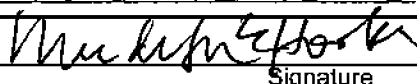
☐ None required (government interest not affecting title)

8. Payment Information

Deposit Account Number 060925

Authorized User Name Meredith E. Hooker

9. Signature:


Signature

21 Sept. 2009
Date

Meredith E. Hooker

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

Guidelines for Completing Patents Cover Sheets (PTO-1595)

Cover Sheet information must be submitted with each document to be recorded. If the document to be recorded concerns both patents and trademarks separate patent and trademark cover sheets, including any attached pages for continuing information, must accompany the document. All pages of the cover sheet should be numbered consecutively, for example, if both a patent and trademark cover sheet is used, and information is continued on one additional page for both patents and trademarks, the pages of the cover sheet would be numbered from 1 to 4.

Item 1. Name of Conveying Party(ies).

Enter the full name of the party(ies) conveying the interest. If there is insufficient space, enter a check mark in the "Yes" box to indicate that additional information is attached. The name of the additional conveying party(ies) should be placed on an attached page clearly identified as a continuation of the information Item 1. Enter a check mark in the "No" box, if no information is contained on an attached page. If the document to be recorded is a joint research agreement, enter the name(s) of the party(ies) other than the owner of the patent or patent application as the conveying party(ies).

Item 2. Name and Address of Receiving Party(ies).

Enter the name and full address of the first party receiving the interest. If there is more than one party receiving the interest, enter a check mark in the "Yes" box to indicate that additional information is attached. Enter a check mark in the "No" box, if no information is contained on an attached page. If the document to be recorded is a joint research agreement, enter the name(s) of the patent or patent application owner(s) as the receiving party.

Item 3. Nature of Conveyance/Execution Date(s).

Enter the execution date(s) of the document. It is preferable to use the name of the month, or an abbreviation of that name, in order that confusion over dates is minimized. Place a check mark in the appropriate box describing the nature of the conveying document. If the "Other" box is checked, specify the nature of the conveyance.

Item 4. Application Number(s) or Patent Number(s).

Indicate the application number(s), and/or patent number(s) against which the document is to be recorded. National application numbers must include both the series code and a six-digit number (e.g., 07/123,456), and international application numbers must be complete (e.g., PCT/US91/12345).

Enter a check mark in the appropriate box: "Yes" or "No" if additional numbers appear on attached pages. Be sure to identify numbers included on attached pages as the continuation of Item 4. Also enter a check mark if this Assignment is being filed with a new application.

Item 5. Name and Address of Party to whom correspondence concerning the document should be mailed.

Enter the name and full address of the party to whom correspondence is to be mailed.

Item 6. Total Applications and Patents Involved.

Enter the total number of applications and patents identified for recordation. Be sure to include all applications and patents identified on the cover sheet and on additional pages.

Block 7. Total Fee Enclosed.

Enter the total fee enclosed or authorized to be charged. A fee is required for each application and patent against which the document is recorded.

Item 8. Payment Information.

Enter the deposit account number and authorized user name to authorize charges.

Item 9. Signature.

Enter the name of the person submitting the document. The submitter must sign and date the cover sheet. Enter the total number of pages including the cover sheet, attachments, and document.

This collection of information is required by 35 USC 261 and 262 and 15 USC 1057 and 1060. The information is used by the public to submit (and by the USPTO to process) patent and trademark assignment requests. After the USPTO records the information, the records for patent and trademarks, assignments, and other associated documents can be inspected by the public. To view documents recorded under secrecy orders or documents recorded due to the interest of the federal government, a written authorization must be submitted. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the form to the USPTO. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Manager of the Assignment Division, USPTO, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450.

Privacy Act Statement for Patent Assignment Recordation Form Cover Sheet

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with the above request for information. This collection of information is authorized by 35 U.S.C. 1, 2, 261 and E.O. 9424. This information will primarily be used by the USPTO for the recordation of assignments related to patents and patent applications. Submission of this information is voluntary but is required in order for the USPTO to record the requested assignment. If you do not provide the information required on the cover sheet, the assignment will not be recorded, and all documents will be returned to you.

After the information is recorded, the records and associated documents can be inspected by the public and are not confidential, except for documents that are sealed under secrecy orders or related to unpublished patent applications. Assignment records relating to unpublished patent applications are maintained in confidence in accordance with 35 U.S.C. 122. Records open to the public are searched by users for the purpose of determining ownership for other property rights with respect to patents and trademarks.

Routine uses of the information you provide may also include disclosure to appropriate Federal, state, local, or foreign agencies in support of their enforcement duties and statutory or regulatory missions, including investigating potential violations of law or contract and awarding contracts or other benefits; to a court, magistrate, or administrative tribunal in the course of presenting evidence; to members of Congress responding to requests for assistance from their constituents; to the Office of Management and Budget in connection with the review of private relief legislation; to the Department of Justice in connection with a Freedom of Information Act request; to a contractor in the performance of their duties; to the Office of Personnel Management for personnel studies; and to the General Services Administration (GSA) as part of their records management responsibilities under the authority of 44 U.S.C. 2904 and 2906. Such disclosure to GSA shall not be used to make determinations about individuals.

ASSIGNMENT

We, Zbysław R. Owczarczyk, Kevin M. McCauley, Terrence E. Hogan, and Amy M. Randall, have made an invention which now is described and claimed in an application for patent entitled METHOD TO IMPROVE COLD FLOW RESISTANCE OF POLYMERS, which application

[] is being executed and filed concurrently herewith.

[] was filed on _____ and now is designated as United States patent application number _____.

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

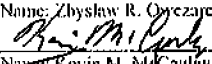
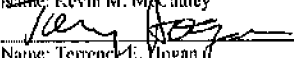
To **Bridgestone Corporation**, a corporation created and duly organized under the laws of Japan and having a place of business at Tokyo, and its successors and assigns, we hereby

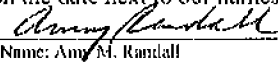
- assign, transfer, and set over the full and exclusive right to the above-described invention and to the above-described application for letters patent of the United States as well as any substitute, continuation, continuation-in-part, or divisional application filed thereon and to any letters patent 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 Japan and having a place of business at Tokyo, 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, I have executed this document on the date next to our names.

| | |
|---|---------|
| Name: Zbysław R. Owczarczyk | date |
|  | 8/13/09 |
| Name: Kevin M. McCauley | date |
|  | 8/13/09 |
| Name: Terrence E. Hogan | date |

| | |
|--|---------|
|  | 8-13-09 |
| Name: Amy M. Randall | date |
| Name: | date |
| Name: | date |

[] Other names included on additional sheet(s).

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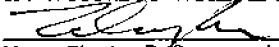
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- covenant and agree for ourselves and our legal representative(s) to
 - a) assist said assignee and/or its designee(s), to the extent requested, in the prosecution of said application for patent, in any interference declared on said application for 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
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IN WITNESS WHEREOF, I have executed this document on the date next to our names.

 09-15-2009
Name: Zbyslaw R. Owczarczyk date

Name: Amy M. Randall date

Name: Kevin M. McCauley date

Name: date

Name: Terrence E. Hogan date

Name: date

☐ Other names included on additional sheet(s).

PATENT

RECORDED: 09/21/2009

REEL: 023259 FRAME: 0122