501842552 03/06/2012

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Terrence E Hogan	01/23/2012
Xiao-Dong Pan	01/23/2012
Kenji Nakatani	01/26/2012
Ryota Tamate	03/02/2012

RECEIVING PARTY DATA

Name:	Bridgestone Corporation	
Street Address:	10-1, Kyobashi 1-Chome, Chuo-Ku	
City:	Tokyo	
State/Country:	JAPAN	
Postal Code:	104	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13337610

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	P10054US2A
NAME OF SUBMITTER:	Michelle R. Davis

Total Attachments: 1

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PATENT REEL: 027810 FRAME: 0632 13337610

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ASSIGNMENT

We, Terrence E. Hogan, Xiao-Dong Pan, Keni Nakatani, and Ryota Tamate, have made an invention which now is described and claimed in an application for patent entitled FUNCTIONALIZED POLYMERS AND VULCANIZATES WITH REDUCED HYSTERETIC LOSS, which application

is being executed and filed concurrently herewith.

[X] was filed on December 27, 2011 and now is designated as United States patent application number 13/337,610.

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, and/or other good and valuable consideration, the receipt of which is hereby acknowledged, we 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 10-1, Kyobashi 1-Chome, Chuo-Ku, Tokyo, Japan 104, 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 10-1, Kyobashi 1-Chome, Chuo-Ku, Tokyo, Japan 104, 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 assignce and/or its designce(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 date next to our names.

me Terrence E. Hogan Johns

26-2012

Jame Xiao-Dong Pan

j dati

Ismo Rynta Tamate

27.22.5

PATENT REEL: 027810 FRAME: 0633

RECORDED: 03/06/2012

hii Nakatani