

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4355270

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HIDEKI HAMANAKA	02/09/2017
SHOEI KAKUTA	02/09/2017
YUKIHITO YAMAGUCHI	02/09/2017
RISA TAUCHI	02/09/2017
TOSHIYUKI SATO	02/09/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE YOKOHAMA RUBBER CO., LTD.
<b>Street Address:</b>	36-11, SHIMBASHI 5-CHOME
<b>City:</b>	MINATO-KU, TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	105-8685
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15328468
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(801)566-0750
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	801-566-6633
<b>Email:</b>	rich@tnw.com, liliana.torres@tnw.com
<b>Correspondent Name:</b>	THORPE NORTH & WESTERN, LLP.
<b>Address Line 1:</b>	8180 SOUTH 700 EAST, SUITE 350
<b>Address Line 4:</b>	SANDY, UTAH 84070
<b>ATTORNEY DOCKET NUMBER:</b>	3138-474.PCT.US
<b>NAME OF SUBMITTER:</b>	RANDY M. BRAEGGER
<b>SIGNATURE:</b>	/Randy M. Braegger/
<b>DATE SIGNED:</b>	04/05/2017
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 9</b>	

source=Assignment#page1.tif  
source=Assignment#page2.tif  
source=Assignment#page3.tif  
source=Assignment#page4.tif  
source=Assignment#page5.tif  
source=Assignment#page6.tif  
source=Assignment#page7.tif  
source=Assignment#page8.tif  
source=Assignment#page9.tif

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent App. No.:  
Filing Date:

Attorney Docket No.: 3138-474.PCT.US  
Client Docket No.: YR-US143070P

**PARTIES TO THE ASSIGNMENT**

Assignor(s):

**Hideki HAMANAKA**

c/o The Yokohama Rubber Co., LTD.  
Hiratsuka Factory  
2-1 Oiwake  
Hiratsuka-shi, Kanagawa 254-8601  
Japan

**Shoei KAKUTA**

c/o The Yokohama Rubber Co., LTD.  
Hiratsuka Factory  
2-1 Oiwake  
Hiratsuka-shi, Kanagawa 254-8601  
Japan

**Yukihito YAMAGUCHI**

c/o The Yokohama Rubber Co., LTD.  
Hiratsuka Factory  
2-1 Oiwake  
Hiratsuka-shi, Kanagawa 254-8601  
Japan

**Risa TAUCHI**

c/o The Yokohama Rubber Co., LTD.  
Hiratsuka Factory  
2-1 Oiwake  
Hiratsuka-shi, Kanagawa 254-8601  
Japan

**Toshiyuki SATO**

c/o The Yokohama Rubber Co., LTD.  
Hiratsuka Factory  
2-1 Oiwake  
Hiratsuka-shi, Kanagawa 254-8601  
Japan

Assignee:

The Yokohama Rubber Co., LTD.  
36-11, Shimbashi 5-chome  
Minato-ku, Tokyo 105-8685  
Japan

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent App. No.:  
Filing Date:

Attorney Docket No.: 3138-474.PCT.US  
Client Docket No.: YR-US143070P

**AGREEMENT**

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled  
“HEAVY DUTY PNEUMATIC TIRE” (Invention) for which a non-provisional application for United  
States Letters Patent

- ☒ was filed on January 23, 2017 and accorded U.S. application no. 15/328,468; or  
☐ will be filed concurrently with the submission of this executed PATENT ASSIGNMENT for  
recording.

ASSIGNOR(S) hereby authorizes and requests ASSIGNEE’S legal representatives, of  
Thorpe North & Western, associated with Customer No. 20,551, to insert in the header above and here in  
parentheses (U.S. application no. 15/328,468, filed January 23, 2017) this application’s U.S. application  
number and filing date, when known.

WHEREAS, ASSIGNEE, a corporation of the country of Japan, is desirous of acquiring the entire  
right, title and interest in and to the Invention and in and to any letters patent that may be granted therefore  
in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is  
hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and  
assigns, the entire right, title and interest in and to said Invention and any improvements thereto, said  
Application and any and all letters patent which may be granted for said Invention in the United States of  
America and its territorial possessions and in any and all foreign countries, and in any and all provisional,

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent App. No.:  
Filing Date:

Attorney Docket No.: 3138-474.PCT.US  
Client Docket No.: YR-US143070P

divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said Invention, application and all letters patent on said Invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said Invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said Invention, for litigation regarding said letters patent, or for the purpose of protecting title to said Invention or letters patent therefore.

AND ASSIGNOR(S) DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said letters patent before or after issuance.

AND ASSIGNOR(S) DOES HEREBY covenant and agree that ASSIGNOR(S) will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Invention or said application, and testify in any legal proceeding, assist in the preparation of any other patent property relating to the application and the Invention or any improvements made thereto, sign/execute all lawful papers, provide all requested documents, execute and make all

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent App. No.:  
Filing Date:

Attorney Docket No.: 3138-474.PCT.US  
Client Docket No.: YR-US143070P

rightful oaths and/or declarations in connection with the application and the Invention including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Invention in all countries. These provisions are binding upon our heirs, legal representatives, administrators, and assigns.

**CORRESPONDENCE ADDRESS**

I hereby direct all correspondence and telephone calls in connection with this application be addressed to the number associated with the customer number listed below, which is:

<b>Customer No.</b> <b>20,551</b>
--------------------------------------

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent App. No.:  
Filing Date:

Attorney Docket No.: 3138-474.PCT.US  
Client Docket No.: YR-US143070P

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ the attached application; or  
☐ United States application number \_\_\_\_\_ filed on \_\_\_\_\_; or  
☒ PCT international application number PCT/JP2015/070930 filed on July 23, 2015.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal name of inventor: **Hideki HAMANAKA**

Feb. 9, 2017  
Date

Hideki Hamanaka  
Inventor Signature

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent App. No.:  
Filing Date:

Attorney Docket No.: 3138-474.PCT.US  
Client Docket No.: YR-US143070P

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ the attached application; or  
☐ United States application number \_\_\_\_\_ filed on \_\_\_\_\_; or  
☒ PCT international application number PCT/JP2015/070930 filed on July 23, 2015.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal name of inventor: **Shoei KAKUTA**

Feb. 9, 2017  
Date

Shoei Kakuta  
Inventor Signature



**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent App. No.:  
Filing Date:

Attorney Docket No.: 3138-474.PCT.US  
Client Docket No.: YR-US143070P

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ the attached application; or  
☐ United States application number \_\_\_\_\_ filed on \_\_\_\_\_; or  
☒ PCT international application number PCT/IP2015/070930 filed on July 23, 2015.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal name of inventor: **Yukihito YAMAGUCHI**

Feb. 9, 2017  
Date

Yukihito Yamaguchi  
Inventor Signature

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent App. No.:  
Filing Date:

Attorney Docket No.: 3138-474.PCT.US  
Client Docket No.: YR-US143070P

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ the attached application; or  
☐ United States application number \_\_\_\_\_ filed on \_\_\_\_\_; or  
☒ PCT international application number PCT/JP2015/070930 filed on July 23, 2015.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal name of inventor: **Risa TAUCHI**

Feb. 9, 2017  
Date

Risa Tauchi  
Inventor Signature

**PATENT ASSIGNMENT AND DECLARATION (37 CFR 1.63)**

U.S. Patent App. No.:  
Filing Date:

Attorney Docket No.: 3138-474.PCT.US  
Client Docket No.: YR-US143070P

**DECLARATION**

As a below named inventor, I hereby declare that:

This declaration is directed to:

- ☐ the attached application; or  
☐ United States application number \_\_\_\_\_ filed on \_\_\_\_\_; or  
☒ PCT international application number PCT/IP2015/070930 filed on July 23, 2015.

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I have reviewed and understand the contents of the above-identified application, and acknowledge the duty to disclose to the US Patent & Trademark Office all information known to me to be material to the patentability as defined in 37 CFR 1.56.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 USC 1001 by fine or imprisonment of not more than five (5) years, or both.

Legal name of inventor: **Toshiyuki SATO**

Feb. 9, 2017  
Date

Toshiyuki Sato  
Inventor Signature