### 504770070 02/08/2018

## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
TORU IWAI	01/08/2016
MAKOTO SOUWA	01/25/2016
YOSHIKAZU KASHIMOTO	01/12/2016

#### **RECEIVING PARTY DATA**

Name:	SHIMANO INC.	
Street Address:	3-77 OIMATSU-CHO, SAKAI-KU	
City:	SAKAI, OSAKA	
State/Country:	JAPAN	
Postal Code:	590-8577	

#### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15891968

#### **CORRESPONDENCE DATA**

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Correspondent Name: GLOBAL IP COUNSELORS, LLP DAVID TARNOFF

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Address Line 4: WASHINGTON, D.C. 20036-2680

ATTORNEY DOCKET NUMBER:	SN-US156518A
NAME OF SUBMITTER:	DAVID L. TARNOFF
SIGNATURE:	/David L. Tarnoff/
DATE SIGNED:	02/08/2018

#### **Total Attachments: 3**

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PATENT 504770070 REEL: 044872 FRAME: 0170

COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

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Title of Invention	DISC BRAKE CALIPER, BRAKE PAD ASSEMBLY AND BIASING MEMBER ASSEMBLY		
As the below	As the below named inventor, I hereby declare that:		
This declara	nis declaration		
	United States application or PCT international application number 14/990,551 filed on January 7, 2016		
The above-i	dentified 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 hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.			
I have reviewed and understand the contents of the application and am aware of the duty to disclose to the US Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR § 1.56.			
	ASSIGNMENT		
For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sell, assign, and transfer to SHIMANO INC., having a principle place of business at 3-77 Oimatsu-cho, Sakai-ku, Sakai City, Osaka 590-8577 JAPAN, and its successors, assigns, and legal representatives, my entire right, title and interest in and to the invention listed above, together with the Application, any and all Patents that may issue for the United States and all foreign countries (including the right to claim priority under the terms of the International Convention and any other relevant International Treaties and Arrangements from the aforesaid application), in and to any and all improvements that are disclosed in the above-noted application, and in and to any reissues, renewals, continuations, continuation-in-parts, divisionals or extensions thereof that have been or shall be filed in the United States and all foreign countries on any of said improvements.  I agree that I will communicate to the assignee or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, and reissue applications, execute all necessary assignment papers to cause any and all Patents to be issued to the assignee, make all rightful oaths, and, generally do everything possible to aid said assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.  The undersigned hereby grants the firm of Global IP Counselors, LLP the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.			
	ME OF INVENTOR (Given name FAMILY NAME)  Toru IWAI Date: 08. Jan. 2016		
	Toru IWAI Date: US. Jan. CO15 : Tota Iwai		
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PATENT REEL: 044872 FRAME: 0171 COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

201245 51	DISC BRAKE CALIPER, BRAKE PAD ASSEMBLY AND BIASING MEMBER ASSEMBLY	
As the below	named inventor, I hereby declare that:	
This declaration  The attached application, or is directed to:		
United States application or PCT international application number 14/990,551 filed on January 7, 2016		
The above-ide	entified 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 hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.		
I have reviewed and understand the contents of the application and am aware of the duty to disclose to the US Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR § 1.56.		
	ASSIGNMENT	
For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sell, assign, and transfer to SHIMANO INC., having a principle place of business at 3-77 Oimatsu-cho, Sakai-ku, Sakai City. Osaka 590-8577 JAPAN, and its successors, assigns, and legal representatives, my entire right, title and interest in and to the invention listed above, together with the Application, any and all Patents that may issue for the United States and all foreign countries (including the right to claim priority under the terms of the International Convention and any other relevant International Treaties and Arrangements from the aforesaid application), in and to any and all improvements that are disclosed in the above-noted application, and in and to any reissues, renewals, continuations, continuation-in-parts, divisionals or extensions thereof that have been or shall be filed in the United States and all foreign countries on any of said improvements.  I agree that I will communicate to the assignee or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, and reissue applications, execute all necessary assignment papers to cause any and all Patents to be issued to the assignee, make all rightful oaths, and, generally do everything possible to aid said assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.  The undersigned hereby grants the firm of Global IP Counselors, LLP the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.		
	LEGAL NAME OF INVENTOR (Given name FAMILY NAME)	
-	Makoto SOUWA Date: Jan, 25, 20/6 Makoto Souwa	
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PATENT REEL: 044872 FRAME: 0172

# COMBINED DECLARATION and ASSIGNMENT (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention DISC BRAKE CALIPER, BRAKE PAD ASSEMBLY AND BIASING MEMBER ASSEMBLY	
As the below named inventor, I hereby declare that:	
This declaration is directed to:  United States application or PCT international application number 14/990,551 filed on January 7, 2016	
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 hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.	
I have reviewed and understand the contents of the application and am aware of the duty to disclose to the US Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR § 1.56.	
ASSIGNMENT	
For good and valuable consideration, the receipt, sufficiency and adequacy of which are hereby acknowledged, I hereby sell, assign, and transfer to SHIMANO INC., having a principle place of business at 3-77 Oimatsu-cho, Sakai-ku, Sakai City, Osaka 590-8577 JAPAN, and its successors, assigns, and legal representatives, my entire right, title and interest in and to the invention listed above, together with the Application, any and all Patents that may issue for the United States and all foreign countries (including the right to claim priority under the terms of the International Convention and any other relevant International Treaties and Arrangements from the aforesaid application), in and to any and all improvements that are disclosed in the above-noted application, and in and to any reissues, renewals, continuations, continuation-in-parts, divisionals or extensions thereof that have been or shall be filed in the United States and all foreign countries on any of said improvements.  I agree that I will communicate to the assignee or its representatives any facts known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, and reissue applications, execute all necessary assignment papers to cause any and all Patents to be issued to the assignee, make all rightful oaths, and, generally do everything possible to aid said assignee, its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.  The undersigned hereby grants the firm of Global IP Counselors, LLP the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.	
LEGAL NAME OF INVENTOR (Given name FAMILY NAME)  Inventor: Yoshikazu KASHIMOTO  Date: Joyn (2, 20(6)	
Signature: Yoshilkazin Kashilmeto	

PATENT REEL: 044872 FRAME: 0173

**RECORDED: 02/08/2018**