#### 10/11/2018 505136758

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2

EPAS ID: PAT5183521

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SHINICHIRO NODA	10/09/2018
YOSHINORI IINO	10/10/2018
TAKUYA EDAMURA	10/09/2018
KENTO MITSUYASU	10/09/2018
TAKAAKI FUJIWARA	10/09/2018

#### **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:	16157383

#### **CORRESPONDENCE DATA**

Fax Number: (202)293-0445

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.

Phone: 2022930444

Email: mailpto@giplaw.com

GLOBAL IP COUNSELORS, LLP DAVID TARNOFF **Correspondent Name:** 

Address Line 1: 1233 20TH STREET, NW

SUITE 600 Address Line 2:

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

ATTORNEY DOCKET NUMBER:	SN-US185485
NAME OF SUBMITTER:	DAVID L. TARNOFF
SIGNATURE:	/David L. Tarnoff/
DATE SIGNED:	10/11/2018
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**Total Attachments: 5** 

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Title of Invention	BICYCLE DRIVE UNIT
As the below	v named inventor, Thereby declare that:
This declara	V Ni
is unected to	United States application or PCT international application number filed on
The above-i	dentified application was made or authorized to be made by me.
I believe that application.	t I am the original inventor or an original joint inventor of a claimed invention in the
	nowledge that any willful false statement made in this declaration is punishable under 18 by fine or imprisonment of not more than five (5) years, or both.
	wed and understand the contents of the application and am aware of the duty to disclose to the ad Trademark Office all information known to me to be material to patentability as defined in 56.
	ASSIGNMENT
acknowledg business at and legal reports with the Approximation (including the continuation the United Staid invention cause any are everything approtection for The united Assignment	d and valuable consideration, the receipt, sufficiency and adequacy of which are hereby ed, I hereby sell, assign, and transfer to SHIMANO INC., having a principle place of 8-77 Oimatsu-cho, Sakai-ku, Sakai City, Osaka 590-8577 JAPAN, and its successors, assigns, presentatives, my entire right, title and interest in and to the invention listed above, together plication, any and all Patents that may issue for the United States and all foreign countries he right to claim priority under the terms of the International Convention and any other emational Treaties and Arrangements from the aforesaid application), in and to any and all his that are disclosed in the above-noted application, and in and to any reissues, renewals, as continuation-in-parts, divisionals or extensions thereof that have been or shall be filed in states and all foreign countries on any of said improvements.  International Treaties and reissue applications thereof that have been or shall be filed in states and all foreign countries on any of said improvements.  International Treaties and reissue applications, sign all lawful papers, execute all divisional, and testify in any legal proceeding, sign all lawful papers, execute all divisional, as substitute, renewal, and reissue applications, execute all necessary assignment papers to add all Patents to be issued to the assignee, make all rightful oaths, and, generally do cossible to aid said assignee, its successors and assigns, to obtain and enforce proper or said invention in the United States and in any and all foreign countries.  I lersigned hereby grants the firm of Global IP Counselors, LLP the power to insert in this any further identification which may be necessary or desirable to comply with the rules of the and Trademark Office for recordation of this Assignment.
	ME OF INVENTOR (Given name FAMILY NAME)
Inventor: Signature	11-1-1-1-1-1

Title of Invention	BICYCLE DRIVE UNIT
As the below	v named inventor, I hereby declare that:
This declara	12 \( \)
	United States application or PCT international application number
The above-i	dentified application was made or authorized to be made by me.
I believe that application.	t I am the original inventor or an original joint inventor of a claimed invention in the
	nowledge that any willful false statement made in this declaration is punishable under 18 by fine or imprisonment of not more than five (5) years, or both.
	wed and understand the contents of the application and am aware of the duty to disclose to the address of the defined in the defined in the second se
	ASSIGNMENT
acknowledg business at 2 and legal rep with the App (including the relevant Inte improvement continuation the United S I agree the said invention continuation cause any are everything p protection for The unite Assignment	d and valuable consideration, the receipt, sufficiency and adequacy of which are hereby ed. I hereby sell, assign, and transfer to SHIMANO INC., having a principle place of 8-77 Oimatsu-cho, Sakai-ku, Sakai City, Osaka 590-8577 JAPAN, and its successors, assigns, presentatives, my entire right, title and interest in and to the invention listed above, together plication, any and all Patents that may issue for the United States and all foreign countries he right to claim priority under the terms of the International Convention and any other structural Treaties and Arrangements from the aforesaid application), in and to any and all lets that are disclosed in the above-noted application, and in and to any reissues, renewals, as, continuation-in-parts, divisionals or extensions thereof that have been or shall be filed in dates and all foreign countries on any of said improvements. The let I will communicate to the assignee or its representatives any facts known to me respecting on, and testify in any legal proceeding, sign all lawful papers, execute all divisional, as substitute, renewal, and reissue applications, execute all necessary assignment papers to adall Patents to be issued to the assignee, make all rightful oaths, and, generally do a bossible to aid said assignee, its successors and assigns, to obtain and enforce proper or said invention in the United States and in any and all foreign countries. ersigned hereby grants the firm of Global IP Counselors, LLP the power to insert in this any further identification which may be necessary or desirable to comply with the rules of the and Trademark Office for recordation of this Assignment.
	ME OF INVENTOR (Given name FAMILY NAME)  Taknaki FUJIWARA  Date: 0ct 9 2018
inventor	Takaaki FUJIWARA Date: VCC 7 2019
Signature	Takaoki Fuji wara

Title of Invention	BICYCLE DRIVE UNIT
As the below	v named inventor, I hereby declare that:
This declaration is directed to	V.N.
is divocati	United States application or PCT international application number filed on
The above is	dentified application was made or authorized to be made by me.
I believe that application.	f I am the original inventor or an original joint inventor of a claimed invention in the
I hereby ack U.S.C. 1001	nowledge that any willful false statement made in this declaration is punishable under 18 by fine or imprisonment of not more than five (5) years, or both.
I have review US Patent an 37 CFR § 1.5	ved and understand the contents of the application and am aware of the duty to disclose to the ad Trademark Office all information known to me to be material to patentability as defined in 56.
	ASSIGNMENT
acknowledge business at 3 and legal rep with the App (including th relevant Inte improvemen continuation the United S I agree th said inventio continuation cause any an everything p protection fo The unde	is and valuable consideration, the receipt, sufficiency and adequacy of which are hereby and, I hereby sell, assign, and transfer to SHIMANO INC., having a principle place of 177 Oimatsu-cho, Sakai-ku. Sakai City, Osaka 590-8577 JAPAN, and its successors, assigns, resentatives, my entire right, title and interest in and to the invention listed above, together dication, any and all Patents that may issue for the United States and all foreign countries a right to claim priority under the terms of the International Convention and any other mational Treaties and Arrangements from the aforesaid application), in and to any and all its that are disclosed in the above-noted application, and in and to any relessues, renewals, and continuation-in-parts, divisionals or extensions thereof that have been or shall be filed in tates and all foreign countries on any of said improvements.  International Treaties and Patents to the assignee or its representatives any facts known to me respecting any and testify in any legal proceeding, sign all lawful papers, execute all divisional, substitute, renewal, and reissue applications, execute all necessary assignment papers to d all Patents to be issued to the assignee, make all rightful caths, and, generally do ossible to aid said assignee, its successors and assigns, to obtain and enforce proper or said invention in the United States and in any and all foreign countries.  Persigned hereby grants the firm of Global IP Counselors, LLP the power to insert in this any further identification which may be necessary or desirable to comply with the rules of the and Trademark Office for recordation of this Assignment.
LEGAL NAI	ME OF INVENTOR (Given name FAMILY NAME)
{	Yoshinori IINO Date: Oct, 10, 2018
Signature:	Yoshhori Zino

Title of Invention	BICYCLE DRIVE UNIT
As the below	v named inventor, I hereby declare that:
This declara	12 13
	United States application or PCT international application number filed on
The above-i	dentified application was made or authorized to be made by me.
I believe tha application.	t I am the original inventor or an original joint inventor of a claimed invention in the
	nowledge that any willful false statement made in this declaration is punishable under 18 by fine or imprisonment of not more than five (5) years, or both.
	wed and understand the contents of the application and am aware of the duty to disclose to the ad Trademark Office all information known to me to be material to patentability as defined in 56.
	ASSIGNMENT
acknowledg business at 3 and legal rep with the App (including ti relevant Inte improvemer continuation the United S I agree t said inventio continuation cause any ar everything p protection fo The und Assignment	d and valuable consideration, the receipt, sufficiency and adequacy of which are hereby ed. I hereby sell, assign, and transfer to SHIMANO INC., having a principle place of 1-77 Oimatsu-cho, Sakai-ku, Sakai City, Osaka 590-8577 JAPAN, and its successors, assigns, presentatives, my entire right, title and interest in and to the invention listed above, together oblication, any and all Patents that may issue for the United States and all foreign countries he right to claim priority under the terms of the International Convention and any other amational Treaties and Arrangements from the aforesaid application), in and to any and all his that are disclosed in the above-noted application, and in and to any reissues, renewals, is, continuation-in-parts, divisionals or extensions thereof that have been or shall be filed in lates and all foreign countries on any of said improvements.  That I will communicate to the assignee or its representatives any facts known to me respecting on, and testify in any legal proceeding, sign all lawful papers, execute all divisional, it, substitute, renewal, and reissue applications, execute all necessary assignment papers to had all Patents to be issued to the assignee, make all rightful oaths, and, generally do hossible to aid said assignee, its successors and assigns, to obtain and enforce proper or said invention in the United States and in any and all foreign countries.  The energy of the energy grants the firm of Global IP Counselors, LLP the power to insert in this any further identification which may be necessary or desirable to comply with the rules of the and Trademark Office for recordation of this Assignment.
	ME OF INVENTOR (Given name FAMILY NAME)
	Kento MITSUYASU  Date: 18/10/09
Signature	: Kento Mitsuyasy

Title of BICYCLE DRIVE UNIT Invention
As the below named inventor, I hereby declare that:
This declaration
United States application or PCT international application number
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: Shinichiro NODA Date: 2018//0/09
Signature: Shin lehiro Noda

PATENT REEL: 047215 FRAME: 0190

**RECORDED: 10/11/2018**