505292146 01/23/2019

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5338923

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
HITOSHI TAKAYAMA	01/18/2019
MASAHIKO FUKUDA	01/18/2019
TOSHIHIKO TAKAHASHI	01/22/2019
DAISUKE NAGO	01/18/2019
MASAHIRO NAKAKURA	01/18/2019
TAKAFUMI NISHINO	01/23/2019
TAKEHIKO NAKAJIMA	01/23/2019

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:	16255376

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

Correspondent Name: GLOBAL IP COUNSELORS, LLP DAVID TARNOFF

Address Line 1: 1233 20TH STREET, NW

Address Line 2: SUITE 600

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

ATTORNEY DOCKET NUMBER:	SN-US185621
NAME OF SUBMITTER:	DAVID L. TARNOFF
SIGNATURE:	/David L. Tarnoff/
DATE SIGNED:	01/23/2019

Total Attachments: 7 source=SN-US185621assign#page1.tif source=SN-US185621assign#page2.tif source=SN-US185621assign#page3.tif source=SN-US185621assign#page4.tif source=SN-US185621assign#page5.tif source=SN-US185621assign#page6.tif source=SN-US185621assign#page7.tif

Title of Inventio	Ē
As the be	,

BRAKE CONTROL DEVICE, BRAKING DEVICE INCLUDING

Invention	BRAKE CONTROL DEVICE, AND BRAKE SYSTEM	
As the below	v named inventor, I hereby declare that:	
This declara		
is unvoiced a	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.	
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	
acknowledge business at and legal rep with the App (including the relevant Interimprovement continuation the United S I agree the said invention cause any arreverything protection for 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 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 polication, any and all Patents that may issue for the United States and all foreign countries are right to claim priority under the terms of the International Convention and any other transitional 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 states and all foreign countries on any of said improvements. Into 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 ad all Patents to be issued to the assignee, make all rightful oaths, and, generally do consible 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 entire 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)	
	Hitoshi TAKAYAMA Date: Jan. 18. 2019	
Signature	Hitoshi Takayama	

<u></u>	
Title of Invention	BRAKE CONTROL DEVICE, BRAKING DEVICE INCLUDING BRAKE CONTROL DEVICE, AND BRAKE SYSTEM
As the belov	v named inventor, I hereby declare that:
This declara	
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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
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***************************************	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)
}	Masahiko FUKUDA Date: Jan 18. 2019 : Masahiko Fukuda

Title	of
Inver	ntion

BRAKE CONTROL DEVICE, BRAKING DEVICE INCLUDING BRAKE CONTROL DEVICE, AND BRAKE SYSTEM

Invention	BRAKE CONTROL DEVICE, AND BRAKE SYSTEM
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acknowledg business at g 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 3-77 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 hits 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. The arrangements of 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 ad all Patents to be issued to the assignee, make all rightful oaths, and, generally do possible to aid said assignee, its successors and assigns, to obtain and enforce proper for said invention in the United States and in any and all foreign countries. Hersigned 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.
Inventor:	ME OF INVENTOR (Given name FAMILY NAME) Toshihiko TAKAHASHI Toshihiko Takahashi Toshihiko Takahashi
Signature	. Josephy Julywan

Title of Invention	BRAKE CONTROL DEVICE, BRAKING DEVICE INCLUDING BRAKE CONTROL DEVICE, AND BRAKE SYSTEM
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	AME OF INVENTOR (Given name FAMILY NAME)
	Daisuke NAGO Date: Jan. 18, 2019
Signature	: Daisuke Nago

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12 dilected is	United States application or PCT international application number filed on
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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 NA	ME OF INVENTOR (Given name FAMILY NAME)
	Masahiro NAKAKURA Date: Jan 18. 2019
Signature	: Magahiro Chabakeura

Title of Invention	BRAKE CONTROL DEVICE, BRAKING DEVICE INCLUDING BRAKE CONTROL DEVICE, AND BRAKE SYSTEM	
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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.		
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	ME OF INVENTOR (Given name FAMILY NAME)	
Inventor:	Takafumi NISHINO Date: Jan. 23, 2018	
Signature	: J. Nishino	

(
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LEGAL NAME OF INVENTOR (Given name FAMILY NAME)		
Inventor:	Takehiko NAKAJIMA Date: 44. 23. 2019	
Signature	· YEAT M	

RECORDED: 01/23/2019