11/22/2017 504654646

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4701367

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TAKETOSHI SATO	11/13/2017
HIDEKI IKEMOTO	11/22/2017
TAKAO HARADA	11/09/2017
DAISUKE NOBORIO	11/08/2017
KAZUHIRO TAKEDA	11/09/2017
RYUJI ABE	11/13/2017

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:	15811307

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

Address Line 2: SUITE 600

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

ATTORNEY DOCKET NUMBER:	SN-US175622
NAME OF SUBMITTER:	DAVID L. TARNOFF
SIGNATURE:	/David L. Tarnoff/
DATE SIGNED:	11/22/2017

Total Attachments: 6 source=SN-US175622assign#page1.tif source=SN-US175622assign#page2.tif source=SN-US175622assign#page3.tif source=SN-US175622assign#page4.tif

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source=SN-US175622assign#page6.tif

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Title of Invention	ELECTRONIC DEVICE AND METHOD FOR CONTROLLING ELECTRONIC DEVICE	
As the below	v named inventor, I hereby declare that:	
This declara	1) I make a property of	
	United States application or PCT international application number	
The above-io	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)	
Signature:	Taketoshi SATO Date: Nov 13, 2017 Tautoh: Sato	

Title of Invention ELECTRONIC DEVI	CE AND METHOD FOR CONTROLLING CE	
As the below named inventor, I hereby	declare that:	
This declaration		
United States filed on	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.		
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LEGAL NAME OF INVENTOR (Given name FAMILY NAME)		
Inventor: Hideki IKEMOTO Signature: Hideki IKEMOTO		
Signature: Yudoke Silver	11010	

Title of Invention	ELECTRONIC DEVICE AND METHOD FOR CONTROLLING ELECTRONIC DEVICE	
As the below	As the below named inventor, I hereby declare that:	
This declara is directed to	1/ \)	
The above-identified application was made or authorized to be made by me.		
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	ME OF INVENTOR (Given name FAMILY NAME) Takao HARADA Date: NOV 9, 2017	

Title of Invention	ELECTRONIC DEVICE AND METHOD FOR CONTROLLING ELECTRONIC DEVICE
As the belov	w named inventor, I hereby declare that:
This declara	1/ 1
	United States application or PCT international application number filed on
The above-io	dentified application was made or authorized to be made by me.
I believe tha application.	at I am the original inventor or an original joint inventor of a claimed invention in the
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	ME OF INVENTOR (Given name FAMILY NAME)
Inventor: Signature:	Daisuke NOBORIO, Date: Nov. 8. 2017 Daisuke Noborio
<u></u>	

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	ME OF INVENTOR (Given name FAMILY NAME)	
Inventor: Signature:	Kazuhiro TAKEDA Date: 20/7, 1/9	
-		

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LEGAL NAME OF INVENTOR (Given name FAMILY NAME) Inventor: Ryuji ABE Date: 13. 2017 Signature:		

RECORDED: 11/22/2017