

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Kentaro KOSAKA</td> <td>11/16/2012</td> </tr> <tr> <td>Nobukatsu HARA</td> <td>11/26/2012</td> </tr> <tr> <td>Michihiro KODAMA</td> <td>11/16/2012</td> </tr> </tbody> </table>		Name	Execution Date	Kentaro KOSAKA	11/16/2012	Nobukatsu HARA	11/26/2012	Michihiro KODAMA	11/16/2012
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Kentaro KOSAKA	11/16/2012								
Nobukatsu HARA	11/26/2012								
Michihiro KODAMA	11/16/2012								
RECEIVING PARTY DATA									
Name:	SHIMANO INC.								
Street Address:	3-77 Oimatsu-Cho								
Internal Address:	Sakai-ku								
City:	Sakai City, Osaka								
State/Country:	JAPAN								
Postal Code:	590-8577								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13679403</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13679403				
Property Type	Number								
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CORRESPONDENCE DATA									
Fax Number:	3102030567								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
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ATTORNEY DOCKET NUMBER:	57139-5110								
NAME OF SUBMITTER:	Brennan C. Swain								
Total Attachments: 2 source=57139_5110_ASSIGNM#page1.tif source=57139_5110_ASSIGNM#page2.tif									

CH \$40.00 13679403

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)	(1) Kentaro KOSAKA	(5)
	(2) Nobukatsu HARA	(6)
	(3) Michihiro KODAMA	(7)
	(4)	(8)

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert name of Assignee	(9) SHIMANO INC.
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(10) Insert state of incorporation of Assignee	(10) Japan
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(11) Insert address of Assignee	(11) 3-77 Oimatsu-Cho Sakai-ku, Sakai City Osaka 590-8577 Japan
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(hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention encompassed by

(12) Insert identification of invention, such as title, case number or foreign application number	(12) BICYCLE ELECTRIC CONTROL DEVICE U.S. Appl. No. 13/679,403, filed 16-NOV-2012 for which the undersigned has (have) executed an application for patent in the United States of America on
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(13) Insert date of signing of application	(13) November 16 and November 26, 2012
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1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or

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division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the international Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) he undersigned hereby grants ROD S. BERMAN, Reg. No. 31,483; BERNARD R. GANS, Reg. No. 27,443; GREGORY S. CORDREY, Reg. No. 44,089; BRENNAN C. SWAIN, Reg. No. 43,175; and ANDREW S. DALLMANN, Reg. No. 55,096, of JEFFER MANGELS BUTLER & MITCHELL LLP, Customer No. 24574, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent & Trademark Office for Recordation of this document.

16, Nov, 2012

Date

Kentaro Kosaka

Signature of: Kentaro KOSAKA

Nov, 26, 2012

Date

Nobukatsu Hara

Signature of: Nobukatsu HARA

16. Nov. 2012

Date

Michihiro Kodama

Signature of: Michihiro KODAMA

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