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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original Documents or copy thereof.

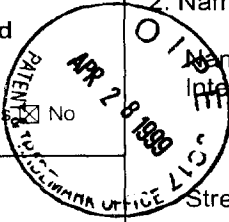
1. Name of conveying party(ies):

(1) **Tsutomu Muraoka**, (2) **Kazuo Wada** and  
(3) **Kozo Kitagawa**

2. Name and address of receiving party(ies)

Name: **Shimano Inc.**  
Internal Address:

Additional name(s) of conveying party(ies) attached?  Yes  No



3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other

Street Address: **77, Oimatsu-cho, 3-cho**

City: **Sakai, Osaka 590-8577, Country: JAPAN**

Execution Date: **April 27, 1999**

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

**09/255,345, filed February 23, 1999**

B. Patent No.(s)

Additional Application numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name:  
**Shinju Global IP Counselors, LLP**  
Internal Address:

Street Address: **1233 Twentieth Street, NW  
Suite 700**  
City: **Washington State: D.C. ZIP: 20036**

6. Total number of applications and patents involved: **1**

7. Total fee (37 CFR 3.41) : **..\$40.00**

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

**David L. Tarnoff**

Name of Person Signing

Signature

Date

**4/28/99**

Total number of pages including cover sheet, attachments, and document:

**2**

Mail documents to be recorded with required cover sheet Information to:  
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Washington, D.C. 20231

(09/255,345, filed February 23, 1999)  
\$40.00

**PATENT**  
**REEL: 9930 FRAME: 0328**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, we, (1) Tsutomu Muraoka, (2) Kazuo Wada and (3) Kozo Kitagawa, citizens of Japan, residing at (1) 1-11-2-307 Miharadai, Sakai, Osaka 590-0111, Japan, (2) 1-37-1-109 Mikanodai, Kawachinagano, Osaka 586-0044, Japan and (3) 8-9-2 Danjo-cho, Nishinomiya, Hyogo 663-8006, Japan, (hereinafter ASSIGNOR), have made a certain invention entitled MAGNETIC ASSEMBLY FOR A BICYCLE MONITORING DEVICE for which we are making application for Letters Patent of the United States, which application was filed on February 23, 1999 and assigned Serial No. 09/255,345; and

WHEREAS, Shimano Inc., a corporation duly organized under the laws of Japan, located and doing business at 77, Oimatsu-cho, 3-cho, Sakai, Osaka 590-8577, Japan (hereinafter ASSIGNEE), is desirous of acquiring the entire right, title and interest in and to the aforementioned invention and the aforementioned application and any and all Letters Patent to be obtained on said invention and/or application;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:

BE IT KNOWN that for good and valuable consideration paid to me by said ASSIGNEE, the receipt and sufficiency of which is hereby acknowledged, we, the ASSIGNORS, by these presents do hereby sell, assign, set over and transfer unto said ASSIGNEE, its successors, legal representatives or assigns, the entire right, title and interest in and to the aforesaid invention in and for the United States and all countries foreign thereto; and in, to and under the aforesaid United States application and any corresponding foreign applications and any divisional, continuing, substitute or reissue applications or supplementary disclosures which may be filed on said invention in any country; and my right to file said foreign applications and claim priority under the provisions of the International Convention; and any Letters Patent of the United States or any foreign country issued or granted on said invention and/or said applications;


AND WE HEREBY authorize and request the Patent Office or other issuing authority to issue any and all patents on said invention and/or said application to said ASSIGNEE as sole assignee; and WE further hereby authorize said ASSIGNEE to file and prosecute any of said foreign applications in its own name;


AND WE HEREBY covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any assignment or other instrument in conflict herewith;

AND WE HEREBY further covenant and agree to communicate to said ASSIGNEE, or its legal representatives, successors or assigns, any facts relating to said invention, including evidence for interference purposes or other proceedings, whenever requested, and to testify in any interference or in any other legal proceeding, when requested, and to execute and deliver on request all lawful papers required to make any of the foregoing provisions effective; and to perform the aforesaid communicating, executing and delivering, without any payment except expenses and to perform the aforesaid testifying for reasonable compensation; and generally to do everything possible to aid the said ASSIGNEE, its successors, legal representatives or assigns to obtain and enforce proper patent protection on and for said invention in all countries, and likewise we make these provisions binding upon my heirs, legal representatives and/or administrators.

IN WITNESS WHEREOF, we have hereunder set our hand and seal this 27 day of April, 1999.

  
Tsutomu Muraoka

  
Kazuo Wada

  
Kozo Kitagawa

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