

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| 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>Etsuyoshi WATARAI</td><td>01/23/2008</td></tr><tr><td>Satoshi SHAHANA</td><td>01/21/2008</td></tr></tbody></table>                                                                     | Name                       | Execution Date | Etsuyoshi WATARAI   | 01/23/2008                 | Satoshi SHAHANA | 01/21/2008   |                |       |              |          |  |
| Name                                                                                                                                                                                                                                                                                | Execution Date             |                |                     |                            |                 |              |                |       |              |          |  |
| Etsuyoshi WATARAI                                                                                                                                                                                                                                                                   | 01/23/2008                 |                |                     |                            |                 |              |                |       |              |          |  |
| Satoshi SHAHANA                                                                                                                                                                                                                                                                     | 01/21/2008                 |                |                     |                            |                 |              |                |       |              |          |  |
| RECEIVING PARTY DATA                                                                                                                                                                                                                                                                |                            |                |                     |                            |                 |              |                |       |              |          |  |
| <table border="1"><tr><td>Name:</td><td>Shimano Inc.</td></tr><tr><td>Street Address:</td><td>3-77 Oimatsu-cho, Sakai-ku</td></tr><tr><td>City:</td><td>Sakai, Osaka</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>590-8577</td></tr></table> | Name:                      | Shimano Inc.   | Street Address:     | 3-77 Oimatsu-cho, Sakai-ku | City:           | Sakai, Osaka | State/Country: | JAPAN | Postal Code: | 590-8577 |  |
| 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                                                                                                                                                                                                                                                           |                            |                |                     |                            |                 |              |                |       |              |          |  |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11970591</td></tr></tbody></table>                                                                                                                        | Property Type              | Number         | Application Number: | 11970591                   |                 |              |                |       |              |          |  |
| Property Type                                                                                                                                                                                                                                                                       | Number                     |                |                     |                            |                 |              |                |       |              |          |  |
| Application Number:                                                                                                                                                                                                                                                                 | 11970591                   |                |                     |                            |                 |              |                |       |              |          |  |
| CORRESPONDENCE DATA                                                                                                                                                                                                                                                                 |                            |                |                     |                            |                 |              |                |       |              |          |  |
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| Correspondent Name: GLOBAL IP COUNSELORS, LLP                                                                                                                                                                                                                                       |                            |                |                     |                            |                 |              |                |       |              |          |  |
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| ATTORNEY DOCKET NUMBER:                                                                                                                                                                                                                                                             | SN-US075309                |                |                     |                            |                 |              |                |       |              |          |  |
| NAME OF SUBMITTER:                                                                                                                                                                                                                                                                  | David L. Tarnoff           |                |                     |                            |                 |              |                |       |              |          |  |
| Total Attachments: 1<br>source=SN-US075309assign#page1.tif                                                                                                                                                                                                                          |                            |                |                     |                            |                 |              |                |       |              |          |  |

CH \$40.00 11970591

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ASSIGNMENT

WHEREAS, we, (1)Etsuyoshi WATARAI and (2)Satoshi SHAHANA, citizens of Japan, residing at (1)Izumi, Osaka, Japan and (2)Osaka, Osaka, Japan, (hereinafter ASSIGNOR), have made a certain invention entitled BICYCLE SHIFT OPERATING DEVICE for which we are making application for Letters Patent of the United States, which application was filed on January 8, 2008 and assigned Serial No. 11/970,591; and

WHEREAS, Shimano Inc., a corporation duly organized under the laws of Japan, located and doing business at 3-77 Oimatsu-cho, Sakai-ku, 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.

Each of 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.

E. Watarai  
Etsuyoshi WATARAI

Date: 23 JAN. 2008

Satoshi Shahana  
Satoshi SHAHANA

Date: 24 Jan 2008