

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>Shinichi Takizawa</td><td>09/01/2008</td></tr><tr><td>Osamu Kariyama</td><td>08/29/2008</td></tr><tr><td>Kenichi Kikuno</td><td>09/01/2008</td></tr></tbody></table>	Name	Execution Date	Shinichi Takizawa	09/01/2008	Osamu Kariyama	08/29/2008	Kenichi Kikuno	09/01/2008	
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Shinichi Takizawa	09/01/2008								
Osamu Kariyama	08/29/2008								
Kenichi Kikuno	09/01/2008								
RECEIVING PARTY DATA									
Name:	Shimano Inc.								
Street Address:	3-77 Oimatsu-Cho, 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>12205064</td></tr></tbody></table>	Property Type	Number	Application Number:	12205064					
Property Type	Number								
Application Number:	12205064								
CORRESPONDENCE DATA									
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ATTORNEY DOCKET NUMBER:	57139-5098								
NAME OF SUBMITTER:	Brennan C. Swain								
Total Attachments: 2 source=571395098ASSIG#page1.tif source=571395098ASSIG#page2.tif									

CH 12205064 \$40.00

PATENT

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REEL: 021487 FRAME: 0549

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)	(1) Shinichi TAKIZAWA	(5)
	(2) Osamu KARIYAMA	(6)
	(3) Kenichi KIKUNO	(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.
(10) Insert state of incorporation of Assignee	(10) Japan
(11) Insert address of Assignee	(11) 3-77 Oimatsu-Cho Sakai-ku, Sakai City Osaka 590-8577 Japan
	(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) HYDRAULIC DISC BRAKE CALIPER WITH ONE WAY PLUMBING for which the undersigned has (have) executed an application for patent in the United States of America on
(13) Insert date of signing of application	(13) August 27, 2008; and September 1, 2008

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) The undersigned hereby grants all practitioners associated with Customer Number 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.

2008.Sep.1
Date

Shinichi Takizawa
Signature of: Shinichi TAKIZAWA

木本 和幸
Signature of Witness
KAZUHITO MATSUMOTO
Printed Name of Witness

2008.8.29
Date

Osamu Kariyama
Signature of: Osamu KARIYAMA

木本 和幸
Signature of Witness
KAZUHITO MATSUMOTO
Printed Name of Witness

2008.9.1
Date

Kenichi Kikuno
Signature of: Kenichi KIKUNO

木本 和幸
Signature of Witness
KAZUHITO MATSUMOTO
Printed Name of Witness

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