

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
Tatsuya Kawakami		11/05/2004
RECEIVING PARTY DATA		
Name:	Shimano Inc.	
Street Address:	3-77 Oimatsu-cho	
City:	Sakai	
State/Country:	JAPAN	
Postal Code:	590-8577	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	10711611	
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Total Attachments: 1		
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OP \$40.00 10711611

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PATENT
REEL: 015354 FRAME: 0168

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, TATSUYA KAWAKAMI
of 1-1-34-502 Ebaraji-cho, Sakai, Osaka, 593-8304, Japan
hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the
below identified application for United States Letters Patent:

Title of the Invention: APPARATUS FOR REDUCING AN ENGAGING FORCE OF AN
ENGAGING MEMBER

Date of execution of Declaration: November 5, 2004

Filing date: September 28, 2004

Serial No.: 10/711,611; and

WHEREAS, Shimano, Inc., a Japanese corporation, located at 3-77, Oimatsu-cho, Sakai, Osaka, Japan, hereinafter referred to as "Assignee," is desirous of acquiring Assignor's interest in the invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer to Assignee, and to Assignee's successors and assigns, all of Assignor's right title and interest in and to the invention and application, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by Assignee as fully and exclusively as it would have been held and enjoyed by Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees that Assignor will, without charge to Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention, and to vest title thereto in Assignee, or in Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Tatsuya Kawakami
TATSUYA KAWAKAMI

Date: Nov. 5, 2004