FORM PTO-1619A Expires 06/30/99 OMB 0651-0027

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'	Hirokazu HIRAYAMA		Month Day Ye 07/28/00			
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Name (line 1)	Shimano Inc.		If document to be red is an assignment an receiving party is no			
Name (line 2)						
Address (line 1)	77, Oimatsu-cho, 3-cho of a domestic representative is attac (Designation must be					
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Name [Shinjyu An Intellectual Prope					
Address (line 1)	c/o Shinjyu Global IP Counsel	ors, LLP				
Address (line 2)	1233 Twentieth Street, N.W. S	uite 700				
Address (line 3)	Washington, D.C. 20036					
Address (line 4)						
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> **PATENT REEL: 011113 FRAME: 0387**

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Correspond	ent Name an	d Address A	rea Code and T	elephone Number	(202)293-0	444
Name	Shinjyu Globa	l IP Counselors,	LLP			
Address (line 1)	1233 Twentie	th Street, N.W.	Suite 700			
Address (line 2)	Washington, D.	C. 20036				
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Danasit	of Payment:	Enclosed t account or if addition Depo	d Depos al fees can be chargosit Account Num	d (37 CFR 3.41): \$ iit Account ed to the account.) ber: # ge additional fees:	19-2042 Yes	No 🗸

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. Charges to deposit account are authorized, as

Signature

indicated herein.

James W. Judge

Name of Person Signing

) July 31, 6

ASSIGNMENT

	Hirokazu HIRAYAMA 603, Miharadai 2-cho, Sakai-shi, Osaka, Japan	_ , a citizen of Japan residing at ;
	=	, a citizen of Japan residing at
		; and; and; and; and;
hereinafter referred to as the Assignor(s)	, have invented certain new and useful improve	ments in
DUAL-BEARIN	NG REEL CENTRIFUGAL BRAKING	DEVICE
AND WHEREAS,	Shimano Inc.	
having its principal place of business at		
(hereinafter referred to as the Assignee	tsu-cho 3-cho, Sakai-shi, Osaka 590-8577, Japa e), is desirous of acquiring the entire right, tited to any Letters Patent or Patents, United State	tle, and interest in and to said
herewith acknowledged, the Assignor representatives and assigns, the entire recountries including, but not limited to, the in, to and under said improvements, and or reissue applications thereof, including priority from the filing of said Applica Patents and Trademarks to issue all Letter as assignee of the entire interest therein, full end of the term or terms for which L. Further, the Assignore covenant without further remuneration the and assigns, any facts known to them interferences or other legal proceeding it all lawful papers, execute and deliver all improvements and all assignments there rightful oaths and generally do everyth assigns, to obtain and enforce proper expenses incident to said applications to	Korea, Taiwan and Malaysia said Application, and all original, divisional, reag the right to sue and recover for any past it ion; and the Assignor(s) hereby authorize and its Patent on said improvements or resulting the for the sole use and behoof of said Assignee, its etters Patent or Patents may be granted. (s) and their legal representatives, heirs, and nat they will communicate to said Assignee, its respecting said improvements whenever require which any of said applications or Letters Padivisional, continuing, reissue and other application of to said Assignee or its legal representatives, ing necessary to assist said Assignee, its succepatent protection for said improvements in the beborne and paid by said assignee.	newal, continuation, substitute, infringement, and all rights of d request the Commissioner of refrom to said Assignee herein, a successors, and assigns, to the assigns do hereby agree and successors, legal representatives uested, and will testify in any tent may become involved, sign ations for Letters Patent on said successors, legal representatives and essors, legal representatives and assigns, make all essors, legal representatives and ne U.S. and said countries, the
IN TESTIMONY WH	EREOF, the undersigned Assignor(s) have affin	xed their signatures.
This <u>28</u> day of <u>JUL</u> , 2000	Signature: Hirokaze Kirayama	
	Signature:	
This, 2000	Signature:	

PATENT
RECORDED: 08/03/2000 REEL: 011113 FRAME: 0389