PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT			
NATURE OF CONVEYANCE:	ASSIGNMENT			

CONVEYING PARTY DATA

Name	Execution Date	
Tomitake ARATACHI	07/16/2009	
Masaki YASUDA	07/16/2009	

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12506491

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NAME OF SUBMITTER: Christopher R. Glembocki

Total Attachments: 1

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PATENT REEL: 022983 FRAME: 0033

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ASSIGNMENT

		(1)	_Tomitake A	RATACHI		(5)			
(1-8) Insert	(2)	Masaki YA	SUDA						
Name(s) of Inventor(s)		(3)							
		(4)							
			In consider	ration of the sum o	f one dollar (\$1.	.00) and other g	ood and valuab	le considerations pai transfer and set over	id to each of
(9)	Insert Name of Assignee	(9)	BROTHER KOGYO KABUSHIKI KAISHA						
(10)	Insert Address of Assignee	(10)	15-1 Naeshiro-cho, Mizuho-ku, Nagoya-shi, Aichi-ken, 467-8561 Japan						
			(hereinafter designated as the Assignee) the entire right, title and Interest for the United States of America as defined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional, non-provisional, civisional, continuation, substitute, and reissue application(s), and all Letters Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as						
(11)	insert Identification	(11)	FIXING DE	VICE HAVING 1	HERMISTOR				
	of Invention such as Title, Case								
	Number, or Foreigr Application Numbe		(Attorney Do	ocket No.				1)
			for which the	undersigned has (i	nave) executed	an application fo	or patent in the l	United States of Ame	erica
(12)	Insert Date of Signing of Application	(12)	on	Jul. 16,2	009		-		
(13)	Alternative Identification for filed applications	(13)	U.S. applicati	ion Serial Number					
application patents a application Assignee or provis reexamir States regight to or herewith, which mandacumer	 The undersigned ay be necessary or cont. 	and are deem agree divisite in obtained agree al Cortication rest hereblesirab	ny patent(s) iss necessary. (s) to execute on thereof, or otalining eviden (s) to execute on execute on necessary to perform ed States patent y authorize(s) n(s) to the said erein assigned y grant(s) the ele in order to	all papers necess; any patent or reis ce and going forwa all papers and doctoetion of industriam all affirmative and request(s) the Assignee, as Assid, and that he has comply with the received.	aiso to execute ary in connectic sue applicatior uments and per al Property or sin cits which may e Commissione ignee of the er to they have) n Witcoff, LTD to	separate assign in with any inter in based thereor erference. form any act with milar agreement if be necessary if of Patents to not executed, ar the power to ins ed States Patel	riference which in, for the invention, for the invention may be need to be a continuous of the continu	ection with such appli- may be declared cor- tion, and to coopera- cessary in connection intain or confirm by all Letters Patents of ants that he has (the oute, any agreement	lications and neeming any rate with the n with claims y reissue or of the United tey have), full ts in conflict identification
	In witness whereof,			dersigned on the	date(s) opposi	te the undersio	gned name(s).		
Date	· ·		9	Name of Inve	ntor (187) Tomital	re ARATACHI	uua Chi		SEAL)
Date	Jul. 16.	20	09	Name of inve	ntor <u>Mez</u> Masaki	saki (a YASUDA	asuda		SEAL)
Date									SEAL)
Date				Name of Inve	ntor			(8	SEAL)
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Date				Mana of lea-	ntor			,,	0541

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RECORDED: 07/21/2009