PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Noboru SUZUKI	02/15/2011
Kei ISHIDA	02/10/2011
Yasushi FUJIWARA	01/31/2011
Yoshihiro MIYAUCHI	02/14/2011
Tomohiro KONDO	02/10/2011

RECEIVING PARTY DATA

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State/Country:	JAPAN		
Postal Code:	467-8561		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13031659

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 006797.00232 NAME OF SUBMITTER: Gary D. Fedorochko

PATENT

REEL: 025840 FRAME: 0612 501444699

Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif

> PATENT REEL: 025840 FRAME: 0613

ASSIGNMENT

		(1)	Nobor	u SUZUKI	(5)	Tomohiro KONDO				
(1-8)	Insert	(2)	Kei IS	HIDA	(6)					
Name(s) of inventor(s)		(3)	Yasushi FUJIWARA (7)							
		(4)	Yoshil	niro MIYAUCHI	(8)	,				
				sideration of the sum of one ersigned, the undersigned ag	dollar (\$1.00) and	d other good and valuable c	onsiderations paid to each o			
(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						
			defined non-prov	hereinafter designated as the Assignee) the entire right, title and interest for the United States of America as lefined in 35 U.S.C. §100, in the invention, and in all applications for patent including any and all provisional ion-provisional, divisional, 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 of Invention		FIXIN	G DEVICE						
	such as Title, Case Number, or Foreigr Application Numbe	1	(Attorne	ey Docket No.	06797.002	32)			
			for which	the undersigned has (have)	executed an appl	ication for patent In the Unite	ed States of America			
(12)	Insert Date of Signing of Application	(12)				2011. Lela, 15.	201/			
(13)	Alternative	(13)	U.S. app	olication Serial Number	13/031,6	559				
	Identification for filed applications		filed		uary 22,					
patents a application Assignee or provision reexamin foliates reight to coerewith. for the country of the c	us the Assignees may 2) The undersigned on or continuation or on or continuation or on or continuation or on or continuation or on	deem agreec divisic e in ob agreec al Con agree d Unite hereb ication rest he hereby	necessar (s) to exem in thereof taining evention for evention for even	ry. cute all papers necessary in f, or any patent or reissue if, or any patent or reissue if dence and going forward wi cute all papers and documen or Protection of Industrial Pro erform all affirmative acts to patent to the Assignee. te(s) and request(s) the Cor e said Assignee, as Assignee igned, and that he has (the the firm of Banner & Witco r to comply with the rules of	application with a application based in such interference its and perform arperty or similar agentic may be neminissioner of Pale of the entire interest y have) not execute the United State of the United State applications.	any interference which may thereon, for the invention, de. by act which may be necessary and the invention, maintain tents to issue any and all Larest, and hereby covenants uted, and will not execute, are to insert on this assignment and Trademark Control of the invention of t	that he has (they have) full any agreements in conflict ent any further identification			
	n witness wherear, a Frell 15			undersigned on the date(s) opposite the u	indersigned name(s).	·			
Date				Name of Inventor		ru Suzuki	(SEAL)			
Date	Jeli 10.	201	′/	_ Name of Inventor	Kei ISHIDA	ida	(SEAL)			
Date				Name of Inventor	legal representati	ve of Yasushi FUJIWARA	(SEAL)			
Date			···	Name of Inventor		ve of Yasushi FUJIWARA	(SEAL)			
Date	Tel 19 Freb 10	, 2	0//	Name of Inventor	Yoshihiro MIYA	miyanchi UCHI	(\$EAL)			
Date	Feb 10	.2011	·	_ Name of Inventor	Tomphia Tomohiro KONI	g Kondo	(SEAL)			

PATENT REEL: 025840 FRAME: 0614

ASSIGNMENT

		(1)	Noboru SUZUKI	(8	5) Tomohiro KONDO		
(1-8)	Insert	(2)	Kei ISHIDA	(6	6)		
Name(s) of Inventor(s)		. (3)	Yasushi FUЛWARA	(7	7) .		
		(4)	Yoshihiro MIYAUCHI	3)	3)		
					and other good and valuable considerations paid to ead n, and hereby does assign, transfer and set over to	:h	
(9)	Insert Name of Assignee	(9)	BROTHER KOGYO KABUSH	IKI KAISHA			
(10)	Insert Address of Assignee	(10)	15-1 Naeshiro-cho, Mizuho-ku, Nagoya-shi, Aichi-ken, 467-8561 Japan				
			defined in 35 U.S.C. §100, in the non-provisional, divisional, conti	invention, and in a nuation, substitut	right, title and interest for the United States of Americ all applications for patent including any and all provision te, and reissue application(s), and all Letters Pat that may be granted on the invention known as	na	
(11)	Insert Identification of Invention	(11)	defined in 35 U.S.C. §100, in the non-provisional, divisional, conti	invention, and in a nuation, substitut	all applications for patent including any and all provision te, and reissue application(s), and all Letters Pat	na	
(11)	Identification of Invention such as Title, Case Number, or Foreign	i n	defined in 35 U.S.C. §100, in the non-provisional, divisional, conti- extensions, relssues and reexaminations FIXING DEVICE	Invention, and in a nuation, substitut nation certificates i	all applications for patent including any and all provision te, and reissue application(s), and all Letters Pai that may be granted on the invention known as	na	
(11)	Identification of Invention such as Title, Case	i n	defined in 35 U.S.C. §100, in the non-provisional, divisional, contiextensions, relssues and reexaminations of the provision	Invention, and in nuation, substitut nation certificates to 0 0 6 7 9 7 . 0	all applications for patent including any and all provision te, and reissue application(s), and all Letters Pai that may be granted on the invention known as	na	
(11) (12)	Identification of Invention such as Title, Case Number, or Foreign	i n	defined in 35 U.S.C. §100, in the non-provisional, divisional, continuous extensions, relssues and reexaminations. FIXING DEVICE (Attorney Docket No. for which the undersigned has (harmonic for which the u	Invention, and in nuation, substitut nation certificates in 006797.0	all applications for patent including any and all provisions te, and reissue application(s), and all Letters Pailthat may be granted on the invention known as	na	
	Identification of Invention such as Title, Case Number, or Foreign Application Number Insert Date of Signing of	n er (12)	defined in 35 U.S.C. §100, in the non-provisional, divisional, continuous extensions, relssues and reexaminations. FIXING DEVICE (Attorney Docket No. for which the undersigned has (har	Invention, and in nuation, substitut nation certificates in 006797.0	all applications for patent including any and all provisions te, and relssue application(s), and all Letters Pailthat may be granted on the invention known as 0.0232	na	

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning any application or continuation or division thereof, or any patent or reissue application based thereon, for the invention, and to cooperate with the

Assigned 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, maintain or confirm by reissue or reexamination 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(s) 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 agreements in conflict herewith.

6) The undersigned hereby grant(s) the firm of Banner & Witcoff, LTD 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 and Trademark Office for recordation of this

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date		Name of Inventor	Noboru SUZUKI	(SEAL)
Date		Name of Inventor	Kei ISHIDA	(SEAL)
Date	Aan, 31, 2011	Name of Inventor		(SEAL)
Date	Jan, 31, 2011	Name of Inventor		(SEAL)
Date		Name of Inventor	Yoshihiro MIYAUCHI	(SEAL)
Date		Name of Inventor	Tomohiro KONDO	_ (SEAL)

PATENT REEL: 025840 FRAME: 0615