## PATENT ASSIGNMENT

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SUBMISSION TYPE:		NEW ASSIGNMENT					
NATURE OF CONVEYANCE:		ASSIGNMENT					
CONVEYING PARTY DATA							
		Name	Execution Date				
Yutaka Urakawa			11/02/2011				
RECEIVING PARTY DATA							
Name:	Brother Kogyo Kal	Brother Kogyo Kabushiki Kaisha					
Street Address:	15-1 Naeshiro-cho	15-1 Naeshiro-cho,					
Internal Address:	Mizuho-ku,	Mizuho-ku,					
City:	Nagoya-shi, Aichi-ken						
State/Country:	JAPAN	JAPAN					
Postal Code:	467-8561	467-8561					
PROPERTY NUMBERS Total: 1							
Property Ty	ype	Number					
Application Number: 13289		9922					
Fax Number:	Fax Number: (202)508-9338   Phone: 202 639-7700						
Phone:	202 639-770						
Email: brian.goldberg@bakerbotts.com   Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent   via US Mail.							
Correspondent Name: Baker Botts, LLP							
Address Line 1:							
Address Line 2: The Warner							
Address Line 4: Washington, DISTRICT OF COLUMBIA 20004-2400							
ATTORNEY DOCKET	NUMBER:	076376.2117					
NAME OF SUBMITTER:		Brian J. Goldberg					
Total Attachments: 1 source=Assignment_2117#page1.tif							
	PATENT						

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## ASSIGNMENT

		(1)	Yutaka URAKAWA (5)				
(1-8)	Insert	(2)	(6)				
	Name(s) of Inventor(s)	(3)	(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)	(9) Insert Name of Assignee (9		BROTHER KOGYO KABUSHIKI KAISHA				
(10)	Insert Address of Assignee	(10)					
(11)	Insert Identification	(11)	(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 a provisional, non-provisional, divisional, continuation, substitute, and reissue application(s), and all Letter Patent, extensions, reissues and reexamination certificates that may be granted on the invention known as				
	of Invention such as Title, Case	• •					
	Number, or Foreign Application Numbe	n	(Allorney Dockel No. 076376.2117				
			for which the undersigned has (have) executed an application for patent in the United States of America				
(12)	Insert Date of Signing of Application	(12)	on New 2, 2011				
(13)	Alternative Identification for filed applications	(13)	U.S. application Serial Number 13/289, 922				
			filed November 4, 2011				

 The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or reissue applications for the invention, and any patent(s) issuing thereon, and also to execute separate assignments in connection with such applications and patents as the Assignees may deem necessary.

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 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, 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 to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreements in conflict

6) The undersigned hereby grant(s) the firm of BAKER BOTTS LLP 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 document.

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

Date	Nov 2, 2011	Name of Inventor Jutaka Uraka	(SEAL)
Date		Name of Inventor	(SEAL)
Date		Name of Inventor	(SEAL)
Date		Name of Inventor	(SEAL)

## PATENT REEL: 027180 FRAME: 0135

**RECORDED: 11/04/2011**