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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY	DATA				
		Name	Execution Date		
TSUYOSHI ITO			09/14/2012		
RECEIVING PARTY D	ΑΤΑ				
Name:	BROTH	IER KOGYO KABUSHIKI KAISHA			
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City: NAGOYA-SHI, AICHI-KEN					
State/Country:	JAPAN				
Postal Code:	467-856	467-8561			
Property Type		Number	_		
Property Type Application Number:		Number 16925891			
Application Number:	DATA				
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i>	DATA be sent to	16925891			
Application Number: CORRESPONDENCE Fax Number: <i>Correspondence will</i> <i>using a fax number, i</i> Phone:	DATA be sent to if provided	16925891 (202)824-3001 o the e-mail address first; if that is un i; if that is unsuccessful, it will be se (202) 824-3000	ent via US Mail.		
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Application Number: CORRESPONDENCE Fax Number: Correspondence will using a fax number, i Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4: ATTORNEY DOCKET I NAME OF SUBMITTER	DATA be sent to if provided	16925891 (202)824-3001 b the e-mail address first; if that is un l; if that is unsuccessful, it will be se (202) 824-3000 bwptopat@bannerwitcoff.com, aanders BANNER & WITCOFF, LTD. 1100 13TH ST. NW STE 1200 WASHINGTON, D.C. 20005 006834.00424	ent via US Mail.		
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ASSIGNMENT

2012-00426 US/57NK30

		(1)	Tsuyoshi ITO	(5)				
1	Insert Name(s) of Inventor(s)	(2)	1	(6)				
		(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 se over to					
(9)	Insert Name of Assignee	(9)	BROTHER KOGYÓ KABUSHIKI KAISHA					
(10)	Insert Address of Assignee	(10)						
(11)	Insert		(hereinafter designated as the Assignee) the entire right, tille 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, 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					
(1)	Identification of Invention such as Title, Case	(11)	(Attomey Docket No.					
	Number, or Foreign Application Number	1						
	•		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 <u>Sep</u> , 14, 2	012	. <u> </u>			
(13)	Alternative Identification for filed applications	(13)	U.S. application Serial Number <u>13/629,715</u>					
			filed September	28, 2012				
	1) The undersigned	agree	(s) to execute all papers necessa	y in connection with any application and any	continuing, divisional or			

 The undersigned agree(s) to execute all papers necessary in connection with any application and any continuing, divisional or relisue 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 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 document.

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

Date	Sep. 14, 2012	Name of Inventor	Fingathi Ste	(SEAL)
Date		Name of Inventor		(SEAL)
Date		Name of Inventor		(SEAL)
Date		Name of Inventor		(SEAL)
Date	. <u> </u>	Name of Inventor		(SEAL)
Date	<u></u>	Name of Inventor		(SEAL)
Date		Name of Inventor		(SEAL)
Date		Name of Inventor		(SEAL)

RECORDED: 07/10/2020

PATENT REEL: 053175 FRAME: 0519