### 501846611 03/08/2012

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date	
Hiroko ISHIKAWA	02/28/2012	

### **RECEIVING PARTY DATA**

Name:	BROTHER KOGYO KABUSHIKI KAISHA		
Street Address:	15-1 Naeshiro-cho, Mizuho-ku, Nagoya-shi		
City:	Aichi-ken		
State/Country:	JAPAN		
Postal Code:	467-8561		

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13415331

#### **CORRESPONDENCE DATA**

 Fax Number:
 (516)742-4366

 Phone:
 516-742-4343

 Email:
 jmoses@ssmp.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

Correspondent Name: Paul J. Esatto, Jr.

Address Line 1: SCULLY, SCOTT, MURPHY & PRESSER, P.C.

Address Line 2: 400 Garden City Plaza, Ste. 300
Address Line 4: Garden City, NEW YORK 11530

ATTORNEY DOCKET NUMBER:	28525
NAME OF SUBMITTER:	Paul J. Esatto, Jr.

Total Attachments: 1

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PATENT REEL: 027829 FRAME: 0070 CH \$40.00 1341

# ASSIGNMENT

		(1)	Hiroko ISHII	KAWA	(5)				
(1-8) Insert		(2)							
Name(s) of Inventor(s)	(3)								
		(4)							
				d other good and valuable co ssign, and hereby does assig	onsiderations paid				
(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 Americas 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 Lette Patent, extensions, reissues and reexamination certificates that may be granted on the invention known a						
(11)	Insert Identification	(11)	SHEET FEE	DING APPARATUS					
	of Invention such as Title, Case Number, or Foreig Application Number	n	(Attorney Doc	ket No.	28616				
			for which the ur	ndersigned has (have)	executed an applica	tion for patent in the United St	tates of America		
(12)	Insert Date of Signing of Application	(12)	on <u>I</u>	eb. 28, 2012					
(13)	Alternative Identification for filed applications	(13)	U.S. applicatio	n Serial Number	·				
application any app Assigne claims of reexami States in full right herewith	ions and patents as the 2) The undersigned lication or continuation in every way possibe 3) The undersigned or provisions of the Interest of the United States of the Interest of a value of the United States of the Interest of the United States of the Interest of the United States o	ne Assigned in agree on or divide in object of agree or agree of the a	gnees may deer (s) to execute a rision thereof, or rotaining evidence (s) to execute a nal Convention of e(s) to perform ed States patent y authorize(s) ar n(s) to the said a herein assigned y grant(s) the fi	In necessary.  Ill papers necessary in any patent or reissue e and going forward will papers and docume for Protection of Industrial affirmative acts what to the Assignee.  Ind request(s) the Compassignee, as Assignee, as Assigned, and that he has (the firm of Scully, Scott,	a connection with any application based the th such interference, ents and perform any trial Property or similar property or similar has been expected in the entire interest of the entire interest y have) not executed Murphy & Presser,	act which may be necessary	declared concerning cooperate with the sylin connection with the soften by reissue of the Unite the has (they have treements in conflict this assignment and		
			•	ersigned on the date	. ,	• ,,			
Date	Jeb. 2	8,	2012	Name of Inventor	Idiroko	Ishikawa	(SEAL)		
Date				Name of Inventor			(SEAL)		
Date	)			Name of Inventor			(SEAL)		
Date							(SEAL)		
Date	}			Name of Inventor			(SEAL)		
Date				Mama of Incompan			(SEAL)		

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**RECORDED: 03/08/2012**