### PATENT ASSIGNMENT

# Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
Shinsuke Tei	07/12/2011
Toshihiko Toyama	07/12/2011

#### **RECEIVING PARTY DATA**

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City:	Tokyo	
State/Country:	JAPAN	
Postal Code:	208-8585	

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13177749

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ATTORNEY DOCKET NUMBER: SHIN 24784 (339243-16)

NAME OF SUBMITTER: Pedro Fernandez

Total Attachments: 2

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PATENT

REEL: 026681 FRAME: 0156

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# ASSIGNMENT

WHEREAS, the below named inventor, ASSIGNOR, has made a certain new and useful invention in:  WIRE BONDING APPARATUS AND WIRE BONDING METHOD  for which  (check one)  [] an application is being filed concurrently herewith,  [X] an application for a Patent of the United States was filed on					Docket No.	SHIN 24.784	
for which  (check one)  [] an application is being filed concurrently herewith,  [X] an application for a Patent of the United States was filed on	WITTEDEAC 41 - 1 - 1 - 1 -		TONOD has made a	aastain mar	and weeful	invention in	
for which  (check one) [] an application is being filed concurrently herewith,  [X] an application for a Patent of the United States was filed on July 7, 2011  and given Application Serial No. 13/177.749  and WHERFAS, Shinkawa Ltd.  having a place of business at 51.1 leadaira 2-chome, Musashimurayama-shi  Tokyo, Japan 208-8585  ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application.  NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby self, assign, transfer and set over, unto the said ASSIGNOEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States than application and all divisions, renewals and continuations thereof, and all Patents of the United States without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, invention's certificates and designs which may be grapted for said invention in any country or countries foreign to the United States and assigns which may be grapted for said invention in any					v and userur	myemmon m	
(check one) [ ] an application is being filed concurrently herewith,  [X] an application for a Patent of the United States was filed on	WIRE BUNDING AP	PARATUS AIND WIKE	BONDING METHC	ע			
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and WHERFAS, Shinkawa Ltd.  Aaving a place of business at 51-1, Inadaira 2-chome, Musashimurayama-shi Tokyo, Japan 208-8585  ASSIGNEE is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application.  NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, tide and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patients of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filled for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;  ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty	(cneck one)	[ ] an application is be	ing med concurrently n	erewiiii,			
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valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States, application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;  ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument; and  ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and h	is desirous of obtaining	the entire right, title and	interest in, to and und	er the said ir	vention and t	he said application.	
ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.  Full name of sole or first inventor  Shinsuke TEI  Inventor's Signature  Date  Tokyo, Japan  Citizenship  Taiwanese  Post Office Address  c/o Shinkawa Ltd.	representatives and assignated application and all divisions thereon and all reissues limitation, all application country or countries for same the priority rights International Convention of the country in which including, without limitation in any country ASSIGNOR at Official of any country of industrial property priority and all distributions and country of industrial property priority and and and any country of industrial property priority and and any country priority and and any country priority and and any country priority and any cou	gns, the entire right, title ions, renewals and continuous, renewals and continuous, renewals and continuous, renewals and extensions thereof; ns for patents, utility more reign to the United State derived from said United on for the Protection of any such application is fation, patents, utility more yor countries foreign to uthorizes and requests the or countries foreign to the totection on applications	and interest in, to and a nuations thereof, and all applications for dels, and designs which is, together with the right States application und industrial Property, or a filed, as may be applicablels, inventor's certification the United States and a e Commissioner of Pate United States, whose as aforesaid, to issue the United States.	under the sa l Patents of industrial pro- in may hereaf int to file such ler the Pater any other into ple; and all for tes and designal ents and Tra- e duty it is to the same to t	id invention, at the United States protecter be filed for a applications at Laws of the ternational agrorms of industry says which makes, renewals an ademarks of the issue patents	and the said United States ates which may be granted tion, including, without or said invention in any and the right to claim for United States, the reement or the domestic litrial property protection, by be granted for said direissues thereof; the United States, and any or other evidence or form	s d d r the aws
representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.  Full name of sole or first inventor Shinsuke TEI  Inventor's Signature Date July /2 , 2011  Residence Tokyo, Japan Citizenship Taiwanese  Post Office Address c/o Shinkawa Ltd.				vey the enti	re interest here	ein assigned, and has not	
Inventor's Signature Date	representatives and assi- papers, execute all divis possible to aid the said	gns, any facts known res ional, continuing, reissue ASSIGNEE, its successo	pecting said invention, and foreign application	and testify i: ns, make all	n any legal pro rightful oaths,	oceeding, sign all lawful , and generally do everyth	iing ion
Inventor's Signature Date	Full name of sole or fire	st inventor Shins	ike TEI				
Residence Tokyo, Japan Citizenship Taiwanese Post Office Address c/o Shinkawa Ltd.		Ten		te Jul	V /2 , 3	2011	
Post Office Address c/o Shinkawa Ltd.		Japan					
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			e. Musashimurayama-sl	ui, Tokvo. Iz	pan 208-8585		

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Full name of second joint inventor, if any	Toshihiko TOYAMA
Second Inventor's Signature	Date <u>July 12, 2011</u>
Residence lokyo, lapan	Citizenship Japanese
Post Office Address c/o Shinkawa Ltd.	
51-1, Inadaira 2-chome,	Musashimurayama-shi, Tokyo, Japan 208-8585
Full name of third joint inventor, if any	
Third Inventor's Signature	Date
Residence	Citizenship
Post Office Address	
Full name of fourth joint inventor, if any	
Fourth Inventor's Signature	Date
Residence	Citizenship
Post Office Address	
Full name of fifth joint inventor, if any	
Eith Investor's Signature	Date
Pasidanca	Citizenship
Post Office Address	
Full name of sixth joint inventor, if any	
Sixth Inventor's Signature	Date
Residence	Citizenship
Post Office Address	

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