

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT												
NATURE OF CONVEYANCE:	Corrective Assignment to correct the typographical error in the spelling of Assignor Shiraiwa, Noria on the recordation cover sheet previously recorded on Reel 030560 Frame 0598. Assignor(s) hereby confirms the correct spelling of the Assignor should be Shiraiwa, Norio.												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Norio Shiraiwa</td> <td>03/11/2013</td> </tr> <tr> <td>Jiro Kawai</td> <td>03/12/2013</td> </tr> </tbody> </table>		Name	Execution Date	Norio Shiraiwa	03/11/2013	Jiro Kawai	03/12/2013						
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CORRESPONDENCE DATA													
Fax Number:	6176468646												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	6176468000												
Email:	patents_RandyP@wolfgreenfield.com												
Correspondent Name:	Randy J. Pritzker												
Address Line 1:	600 Atlantic Avenue												
Address Line 2:	Wolf Greenfield & Sacks P.C.												
Address Line 4:	Boston, MASSACHUSETTS 02210												
ATTORNEY DOCKET NUMBER:	S1778.70014US00												
NAME OF SUBMITTER:	Randy J. Pritzker												

CH \$40.00 13863870

Signature:	/Randy J. Pritzker/
Date:	07/02/2013
Total Attachments: 2 source=Cover Sheet#page1.tif source=Executed Assignment#page1.tif	

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SUBMISSION TYPE:	NEW ASSIGNMENT												
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NAME OF SUBMITTER:	Randy J. Pritzker												
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Date:	06/06/2013												
Total Attachments: 1 source=Executed Assignment#page1.tif													

CH \$40.00 13863870

ASSIGNMENT OF APPLICATION

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned inventor(s) hereby:

1) Sell(s), assign(s) and transfer(s) to

**SHINKO ELECTRIC INDUSTRIES CO., LTD.**

(hereinafter referred to as "ASSIGNEE"), which has a business office at

80, Oshimada-machi, Nagano-shi, Nagano-ken 381-2287 Japan,

the entire right, title, and interest in any and all inventions and improvements disclosed in, application(s) based upon, and Patent(s) granted upon the information which is disclosed in the application entitled:

**ELECTROSTATIC CHUCK**

(File No. 51778.700140500) for which I(we) have executed an application for a United States Letters Patent on Mar. 11 & 12, 2013.  
(Application Serial No. 13/863870 filed on April 16, 2013.)

2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application, or any division, continuation, substitute or reissue thereof, to the ASSIGNEE.

3) Agree to execute all papers and documents and perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof and/or the enforcement of patents resulting from such applications.

Signed on the date(s) indicated beside my(our) signature(s).

1) Norio Shiraiwa Date: Mar. 11, 2013  
Name: Norio SHIRAIWA

2) Jiro Kawai Date: Mar. 12, 2013  
Name: Jiro KAWAI

Witness: Koichi Joya Date: Mar. 14, 2013