

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Masayoshi NAGAO</td> <td>04/17/2012</td> </tr> <tr> <td>Tomoya YOSHIDA</td> <td>04/17/2012</td> </tr> <tr> <td>Yoichiro NEO</td> <td>04/20/2012</td> </tr> </tbody> </table>		Name	Execution Date	Masayoshi NAGAO	04/17/2012	Tomoya YOSHIDA	04/17/2012	Yoichiro NEO	04/20/2012
Name	Execution Date								
Masayoshi NAGAO	04/17/2012								
Tomoya YOSHIDA	04/17/2012								
Yoichiro NEO	04/20/2012								
RECEIVING PARTY DATA									
Name:	NATIONAL UNIVERSITY CORPORATION SIZUOKA UNIVERSITY								
Street Address:	836, Ohya, Suruga-ku								
City:	Shizuoka-shi, Shizuoka								
State/Country:	JAPAN								
Postal Code:	422-8529								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13509537</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13509537				
Property Type	Number								
Application Number:	13509537								
CORRESPONDENCE DATA									
Fax Number:	(202)293-7860								
Email:	kcompton@sughrue.com, sughrue@sughrue.com								
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>									
Correspondent Name:	Sughrue Mion								
Address Line 1:	2100 Pennsylvania Ave.								
Address Line 4:	Washington, DISTRICT OF COLUMBIA 20037								
ATTORNEY DOCKET NUMBER:	Q130947								
NAME OF SUBMITTER:	Kyle H. Compton, New Applications Spec.								
Total Attachments: 2 source=ASSIGNMENT_AS_FILED#page1.tif source=ASSIGNMENT_AS_FILED#page2.tif									

OP \$40.00 13509537

# ASSIGNMENT

Whereas, I/we  
(1). NAGAO Masayoshi and (2). YOSHIDA Tomoya  
both of c/o National Institute of Advanced Industrial Science and Technology, Tsukuba Central 2  
1-1, Umezono 1-chome, Tsukuba-shi, Ibaraki 305-8568 Japan

(3). NEO Yoichiro  
of c/o RESEARCH INSTITUTE OF ELECTRONICS,  
NATIONAL UNIVERSITY CORPORATION SHIZUOKA UNIVERSITY  
5-1, Juhoku 3-chome, Naka-ku, Hamamatsu-shi, Shizuoka 432-8561, Japan

hereinafter called assignor(s), have invented certain improvements in  
FIELD EMISSION DEVICE

and executed an application for Letters Patent of the United States of America therefor on

April 17, 2012; and

Whereas,

NATIONAL UNIVERSITY CORPORATION SHIZUOKA UNIVERSITY  
of 836, Ohya, Suruga-ku, Shizuoka-shi, Shizuoka 422-8529, Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to  
any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,

I/We, the above named assignor(s), hereby sell, assign and transfer to the above named  
assignee, its successors and assigns, the entire right, title and interest in the application and the  
invention disclosed therein for the United States of America, including the right to claim priority under  
35 U.S.C. § 119, and I/we request the Director – U.S. Patent and Trademark Office to issue any  
Letters Patent granted upon the invention set forth in the application to the assignee, its successors  
and assigns; and I/we will execute without further consideration all papers deemed necessary by the  
assignee in connection with the United States application when called upon to do so by the assignee.

I/We hereby authorize and request my/our attorneys SUGHRUE MION, PLLC of 2100  
Pennsylvania Avenue, N.W., Washington, D.C. 20037-3213 to insert here in parentheses  
(Application number 13/509,537, filed May 11, 2012) the filing date and  
application number of said application when known.

Date: April 17, 2012 sl Masayoshi Nagao  
NAGAO Masayoshi

Date: April 17, 2012 sl Tomoya Yoshida  
YOSHIDA Tomoya

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)

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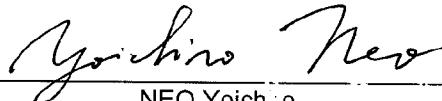
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s/   
NEO Yoichiro

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