

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4013977

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the INCORRECT COMBINED ASSIGNMENT AND DECLARATION DOCUMENT WERE FILED ON 8-20-2014 previously recorded on Reel 033577 Frame 0880. Assignor(s) hereby confirms the CORRECT ASSIGNMENTS WERE SUBMITTED ON 4-18-2016 AND AGAIN ON 8-18-2016..	
<b>RESUBMIT DOCUMENT ID:</b>	503903725	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	TADAHIRO ISHIZAKA	03/16/2016
	KENJI SUZUKI	03/16/2016
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	TOKYO ELECTRON LIMITED	
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<b>City:</b>	TOKYO	
<b>State/Country:</b>	JAPAN	
<b>Postal Code:</b>	107-6325	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	14464684	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(408)938-9069	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
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<b>Address Line 2:</b>	THIRD FLOOR	
<b>Address Line 4:</b>	SAN JOSE, CALIFORNIA 95113	
<b>ATTORNEY DOCKET NUMBER:</b>	TELF-0019-02S01US	
<b>NAME OF SUBMITTER:</b>	ANTHONY C. MURABITO	
<b>SIGNATURE:</b>	/Anthony C. Murabito/	
<b>DATE SIGNED:</b>	08/18/2016	
<b>Total Attachments: 5</b>		

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**PATENT ASSIGNMENT COVER SHEET**

Electronic Version v1.1

Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>TADAHIRO ISHIZAKA</td><td>08/19/2014</td></tr><tr><td>KENJI SUZUKI</td><td>08/19/2014</td></tr></tbody></table>	Name	Execution Date	TADAHIRO ISHIZAKA	08/19/2014	KENJI SUZUKI	08/19/2014					
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<b>RECEIVING PARTY DATA</b>											
<table border="1"><tr><td><b>Name:</b></td><td>TOKYO ELECTRON LIMITED</td></tr><tr><td><b>Street Address:</b></td><td>3-1 AKASAKA 5-CHOME, MINATO-KU</td></tr><tr><td><b>City:</b></td><td>TOKYO</td></tr><tr><td><b>State/Country:</b></td><td>JAPAN</td></tr><tr><td><b>Postal Code:</b></td><td>107-6325</td></tr></table>	<b>Name:</b>	TOKYO ELECTRON LIMITED	<b>Street Address:</b>	3-1 AKASAKA 5-CHOME, MINATO-KU	<b>City:</b>	TOKYO	<b>State/Country:</b>	JAPAN	<b>Postal Code:</b>	107-6325	
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ATTORNEY DOCKET NUMBER: TELF-0019-02S01US

NAME OF SUBMITTER: ANDREW D. FORTNEY, PH.D., REG. NO. 34600

Signature: /Andrew D. Fortney/

Date: 08/20/2014

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 3**

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**RECEIPT INFORMATION**

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Receipt Date: 08/20/2014

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## Assignment to Tokyo Electron Limited

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

Tadahiro ISHIZAKA

do hereby sell, assign, and transfer unto Tokyo Electron Limited, a corporation of Japan having its principal place of business at 3-1 Akasaka 5-chome, Minato-ku, Tokyo 107-6325, Japan, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

### COPPER WIRING STRUCTURE FORMING METHOD

\_\_\_\_\_ filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

X Serial No.: 14/464,684 filed on August 20, 2014 and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor;

And for the above consideration, I/we agree promptly upon request of Tokyo Electron Limited, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, continuation, divisional or reissue, or other papers which may be necessary or desirable fully to secure to Tokyo Electron Limited, its successors and assigns, the inventions described in said application and all patent rights therein, in the United States and in any country foreign thereto, and to cooperate and assist in the prosecution of interference proceedings involving said inventions and in the adjudication or reexamination of said Letters Patent provided the expenses which may be incurred by me/us in lending such cooperation and assistance are paid by Tokyo Electron Limited.

I/we further covenant with Tokyo Electron Limited, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned;

In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: \_\_\_\_\_

*Tadahiro Ishizaka*

Tadahiro ISHIZAKA

Date: March 16, 2016

Attorney Docket No.: \_\_\_\_\_

## Assignment to Tokyo Electron Limited

In consideration of good and valuable consideration, receipt of which is hereby acknowledged, I/we

Kenji SUZUKI

do hereby sell, assign, and transfer unto Tokyo Electron Limited, a corporation of Japan having its principal place of business at 3-1 Akasaka 5-chome, Minato-ku, Tokyo 107-8325, Japan, and its successors and assigns, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements, including the right of priority in, to, and under, the application for the United States patent entitled:

### COPPER WIRING STRUCTURE FORMING METHOD

\_\_\_\_\_ filed herewith and the inventions set forth and described therein, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor; or

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In witness whereof, I/we hereunto set my/our hand(s) and seal:

Inventor's Signature: \_\_\_\_\_

  
Kenji SUZUKI

Date: March 16, 2016