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SUBMISSION TYPE: CORRECTIVE ASSIGNMENT **NATURE OF CONVEYANCE:** 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... **RESUBMIT DOCUMENT ID:** 503903725

CONVEYING PARTY DATA

Name	Execution Date
TADAHIRO ISHIZAKA	03/16/2016
KENJI SUZUKI	03/16/2016

RECEIVING PARTY DATA

Name:	TOKYO ELECTRON LIMITED		
Street Address:	3-1 AKASAKA 5-CHOME, MINATO-KU		
City:	TOKYO		
State/Country:	JAPAN		
Postal Code:	107-6325		

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14464684

CORRESPONDENCE DATA

Fax Number: (408)938-9069

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.

Phone: (408) 938-9060

Email: moliveri@mhbpatents.com

Correspondent Name: MURABITO, HAO & BARNES LLP

Address Line 1: 2 N. MARKET STREET

Address Line 2: THIRD FLOOR

Address Line 4: SAN JOSE, CALIFORNIA 95113

ATTORNEY DOCKET NUMBER:	TELF-0019-02S01US
NAME OF SUBMITTER:	ANTHONY C. MURABITO
SIGNATURE:	/Anthony C. Murabito/
DATE SIGNED:	08/18/2016

Total Attachments: 5

PATENT REEL: 039482 FRAME: 0443

EPAS ID: PAT4013977

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SUBMISSION T	Y P E:	NEW ASSIGNMENT			
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CONVEYING PA	KRTY DATA				
		Name	Execution Date		
TADAHIRO ISHI	ZAKA		08/19/2014		
KENJI SUZUKI			08/19/2014		
Name: Street Address: City: State/Country: Postal Code:	TOKYO ELECTRON LIMITED 3-1 AKASAKA 5-CHOME, MINATO-KU TOKYO JAPAN 107-6325				
PROPERTY NUN					
Property Type		Number			
Application Number: 14464684					
CORRESPONDE	NCE DATA				

1 of 2

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Fax Number: (408)938-9069 Phone: 4089389060 Rws: afortney@mbbpatents.com Correspondence will be sent to the s-mail address first; if that is unsuccessful, it will be sent using a fee number, if provided; if thus is unsuccessful, it will be sent via US Mail. Correspondent Name: MURABITO, HAO & BARNES LLP TWO NORTH MARKET STREET Address Line 1: Address Line 2: THIRD FLOOR Address Line 4: SAN JOSE, CALIFORNIA 95113 ATTORNEY DOCKET NUMBER: TELF-0019-02801US NAME OF SUBMITTER: ANDREW D. FORTNEY, PH.D., REG. NO. 34600 Signature: /Andrew D. Formey/ Date: 08/20/2014 This document serves as an Oath/Declaration (37 CFR 1.63), Total Attachments: 3 source=TELF-0018-02S01US ASSIGNMENT-DECLARATION 08-19-2014#page1.tif source=TELF-0018-02S01US_ASSIGNMENT-DECLARATION 08-19-2014#page2.uf source=TELF-0018-02S01US_ASSIGNMENT-DECLARATION_08-19-2014#page3.tif RECEIPT INFORMATION EPAS ID: PAT2990308 Receipt Date: 08/20/2014

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	Attorney Docket No.:				
Assignment to	Γokyo Elect	ron Limited	1		*
In consideration of goo Tadahiro ISHIZAKA	i andres e como de la				
of business at 3-1 Aka	saka 5-chome, I terest for the Un	Minato-ku, Toky ited States and	o 107-6325, Japa all foreign countrie	n, and its as, in and	pan having its principal place successors and assigns, the to any and all improvements, satent entitled:
	COPPER WI	RING STRUC	TURE FORMING	METHO	DD
			ribed therein, and ch may be granted		ull Letters Patent of the or therefor; or
		d all Letters Pat	August 20, 2014 ent of the United		and the inventions set forth I of countries foreign thereto
assigns, to execute an whether original, continuscure to Tokyo Electropatent rights therein, in prosecution of interfere	d deliver withou uation, divisional on Limited, its su the United State nce proceedings d the expenses	t further compe for reissue, or o coessors and as as and in any co involving said in which may be	nsation any powe other papers which signs, the invention ountry foreign ther oventions and in the	or of attorn may be rons describ eto, and to ne adjudica	ron Limited, its successors or ney, assignment, application, necessary or destrable fully to ped in said application and all o cooperate and assist in the ation or reexamination of said nding such cooperation and
assignment, grant, mor	tgage, license, o	r olher agreeme	int affecting the ri	ghts and p	legal representatives that no property herein conveyed has erein expressed is possessed
In witness whereof, I/we	hereunto set m	//our hand(s) an	d seal:		V 8
Inventor's Signature:	Jodalnia	lahjela	es A.	Date:	March 16, 2016
	Tadah	ito ISHIZAK		7	

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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 107-6325, 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 effecting 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:
4.01
Inventor's Signature: On Jug-RA Date: March 16, 2016 Kenji SUZUKI

Attorney Docket No.:

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RECORDED: 07/06/2016

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