

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4179861

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
WALLACE P. PRINTZ	11/14/2016
SHUHEI TAKAHASHI	11/21/2016
NAOYUKI OKAMURA	11/14/2016
MASAMI YAMASHITA	11/14/2016
DEREK BASSETT	11/28/2016
ANTONIO LUIS PACHECO ROTONDARO	11/28/2016
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Street Address:	3-1 AKASAKA 5-CHOME, MINATO-KU
Internal Address:	AKASAKA BIZ TOWER
City:	TOKYO
State/Country:	JAPAN
Postal Code:	107-6325
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15350637
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<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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ATTORNEY DOCKET NUMBER:	TEA 132US3
NAME OF SUBMITTER:	KRISTI L. DAVIDSON
SIGNATURE:	/KRISTI L. DAVIDSON/
DATE SIGNED:	12/12/2016

Total Attachments: 5

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**DECLARATION (37 CFR 1.63) AND ASSIGNMENT FOR
NONPROVISIONAL UTILITY OR DESIGN PATENT APPLICATION**

Title of Invention: METHOD OF TREATING A MICROELECTRONIC SUBSTRATE USING
DILUTE TMAH

As a below named inventor, I hereby declare that:

This declaration and assignment is directed to:

☐ The attached application having a docket number and title identified above, or
☒ United States application number or PCT international application number
15/350,637 filed on November 14, 2016

The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the above-identified application.

I have reviewed and understand the contents of the above-identified application, including the claims.

I am aware of the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in 37 C.F.R. § 1.56.

I hereby acknowledge that any willful false statement made in this Declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.


Assignor(s): The Assignor(s) is/are the undersigned inventor(s). The inventor(s) named below has/have made certain inventions, improvements, and/or discoveries (herein referred to as the "Invention") disclosed in the above-identified patent application.

Assignee: The Assignee is **Tokyo Electron Limited**, a corporation of Japan having a place of business at Tokyo, Japan (herein referred to as the "ASSIGNEE"). The term "ASSIGNEE" used herein includes successors, legal representatives, and assigns of the ASSIGNEE. The ASSIGNEE desires to acquire the entire worldwide right, title, and interest in and to the Invention and in and to any and all patent applications and patents obtained from the Invention.

As an undersigned inventor, I hereby assign to the ASSIGNEE my entire worldwide right, title, and interest in and to the Invention, the above-identified United States patent application, and any and all other patent applications and patents for the Invention which may be applied for or granted therefrom in the United States and in all foreign countries and jurisdictions, including all divisions, continuations, reissues, reexaminations, renewals, extensions, counterparts, substitutes, and extensions thereof, and all rights of priority resulting from the filing of such applications and granting of such patents. In addition, I hereby authorize and request the Director of the United States Patent and Trademark Office to issue any United States Patent, granted for the invention, to the ASSIGNEE, and I authorize and request foreign patent authorities to issue any foreign patent, granted for the Invention, to the ASSIGNEE. The entire worldwide right, title, and interest in and to the same to be held and enjoyed by the ASSIGNEE,

to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made. I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, for the ASSIGNEE, whenever requested by the ASSIGNEE.

As an undersigned inventor, I acknowledge prior and ongoing obligations to sell, assign, and/or transfer my rights in the Invention to the ASSIGNEE. I have not sold, assigned, or otherwise transferred my rights in the Invention to another, and I am under no obligation to sell, assign, or otherwise transfer my rights in the Invention to another. I also hereby grant the ASSIGNEE, the right to insert in this Declaration and Assignment any further identification (including, but not limited to, patent application number and filing date) which may be necessary or desirable for recording this Declaration and Assignment.

(1) Legal name of Inventor:	Wallace P. Printz	
Inventor's Signature:		Date: 11/14/16
Residence City/State/Country:	Austin, TX, US	
Mailing Address:	8933 Lanna Bluff Loop, Austin, TX 78749	
Citizenship:	US	
(2) Legal name of Inventor:	Shuhei Takahashi	
Inventor's Signature:		Date:
Residence City/State/Country:		
Mailing Address:	Fukuhara 1-1, Koshi City, Kumamoto Prefecture, Japan, 861-1116	
Citizenship:	JP	
(3) Legal name of Inventor:	Naoyuki Okamura	
Inventor's Signature:		Date:
Residence City/State/Country:		
Mailing Address:	Suizenji 1-4-40-802, Chuo-ku, Kumamoto-City, Kumamoto-prefecture, Japan 862-0950	
Citizenship:	JP	

to the full end of the terms for which any and all such patents may be granted, as fully and entirely as would have been held and enjoyed by the undersigned had this Assignment not been made. I agree to execute any and all documents and instruments and perform all lawful acts reasonably related to recording this Assignment or perfecting title to the Invention and all related patents and applications, for the ASSIGNEE, whenever requested by the ASSIGNEE.

As an undersigned inventor, I acknowledge prior and ongoing obligations to sell, assign, and/or transfer my rights in the Invention to the ASSIGNEE. I have not sold, assigned, or otherwise transferred my rights in the Invention to another, and I am under no obligation to sell, assign, or otherwise transfer my rights in the Invention to another. I also hereby grant the ASSIGNEE, the right to insert in this Declaration and Assignment any further identification (including, but not limited to, patent application number and filing date) which may be necessary or desirable for recording this Declaration and Assignment.

(1) Legal name of Inventor: Wallace P. Printz
 Inventor's Signature: _____ Date: _____
 Residence City/State/Country: Austin, TX, US
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(2) Legal name of Inventor: Shuhei Takahashi
 Inventor's Signature: Shuhei Takahashi Date: 21th November 2016
 Residence City/State/Country: _____
 Mailing Address: Fukuhara 1-1, Koshi City, Kumamoto Prefecture, Japan, 861-1116
 Citizenship: JP

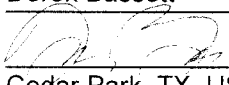
(3) Legal name of Inventor: Naoyuki Okamura
 Inventor's Signature: Naoyuki Okamura Date: 14th November 2016
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 Mailing Address: Suizenji 1-4-40-802, Chuo-ku, Kumamoto-City, Kumamoto-prefecture, Japan 862-0950
 Citizenship: JP

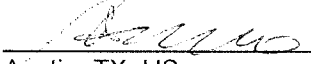
(4) Legal name of Inventor: Masami Yamashita
Inventor's Signature: Masami Yamashita Date: 14th. November, 2016
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(5) Legal name of Inventor: Derek Bassett
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(4) Legal name of Inventor: Masami Yamashita
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(6) Legal name of Inventor: Antonio Luis Pacheco Rotondaro
Inventor's Signature:  Date: 11/28/2016
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Citizenship: US