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To the Director of the U S Patent & Trademark Office

and the attached documents or the new address(es) below

1. Name of conveying party(ies)

Shinya NISHIMOTO

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) January 5, 2011

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Tokyo Electron Limited

Internal Address: _____

Street Address: 3-1, Akasaka 5-chome

City: Minato-ku

State: Tokyo

Country: Japan Zip: 107-6325

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

12/737,310

B. Patent No (s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Shirin Bozorgui, Masuvalley & Partners

Internal Address: _____

Street Address: 8765 Aero Drive, Suite 312

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State: CA Zip: 92123

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6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

- ☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

02/14/2011 KWHITE1 00000005 12737310
Deposit Account Number 01 FC:0021

Authorized User Name _____

9. Signature:

Bozorgui
Signature

February 7, 2011

Date

Shirin Bozorgui

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents

4

ASSIGNMENT

WHEREAS, we, the undersigned inventors of residences as listed, have invented certain new and useful improvements as below entitled, for which an application for United States Letters Patent is made, said applications having been designated as set forth below and filed on or about the date set forth below; and

WHEREAS, TOKYO ELECTRON LIMITED (hereinafter referred to as "Assignee"),

a Japanese corporation

with an address of: 3-1, Akasaka 5-chome
Minato-ku, Tokyo 107-6325
Japan

desires to acquire the entire right, title and interest in and to the inventions, and in and to the said application and any Letters Patent(s) that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we assign to Assignee, all right, title and interest in and to said inventions and in and to said applications and all patents which may be granted therefor, and all divisions, reissues, continuations, continuations-in-part and extensions thereof; and we authorize and request the Commissioner of Patents and Trademarks to issue all patents for said inventions, or patents resulting therefrom, insofar as our interest is concerned, to Assignee.

We also assign to Assignee, all right, title and interest in and to the invention disclosed in said applications throughout the world, including the right to file applications and obtain patents, utility models, industrial models and designs for said invention in its own name throughout the world, including all rights to publish cautionary notices reserving ownership of said invention and all rights to register said invention in appropriate registries; and we further agree to execute any and all powers of attorney, applications, assignments, declarations, affidavits, and any other papers in connection therewith necessary to perfect such right, title and interest in Assignee.

We will communicate to Assignee any facts known to us respecting any improvements; and, at the expense of Assignee, we will testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and substitute applications, make lawful oaths and declarations, and generally do everything possible to vest title in Assignee and to aid Assignee to obtain and enforce proper protection for said invention in all countries.

This Assignment shall be binding on the parties' successors, assigns and legal representatives.

Invention Name: TEMPERATURE ADJUSTING MECHANISM AND
SEMICONDUCTOR MANUFACTURING APPRATUS USING
TEMPERATURE ADJUSTING MECHANISM

U.S. Utility Application No.: 12/737,310
Date Filed: January 19, 2011

We hereby grant PETER MARTINEZ, Registration No. 42,845, TATSUO BABA, Registration No. 58,090, SHIRIN BOZORGUI, Registration No. 62,313 and all practitioners with the firm of Masuvalley and Partners with an office at 8765 Aero Drive, Suite 312, San Diego, CA 92123, the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned further declares that all statements made herein of his/her own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful and false statements may jeopardize the validity of the application or any patent issued thereon.

Signature of Inventor: Shinya Nishimoto

Inventor(s) Name: Shinya NISHIMOTO

Residence: Hyogo, Japan

Citizenship: JP

Date: Jan. 5, 2011
