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To the Director of the United States Patent and Trademark

1. Name of conveying party(ies):

Lee CHEN
Hiromitsu KAMBARA
Caiz Hong TIAN
Tetsuya NISHIZUKA
Toshihisa NOZAWA

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

2. Name and address of receiving party(ies):

Name: TOKYO ELECTRON LIMITED
Address: 3-6, Akasaka 5-chome,
Minato-ku,
Tokyo 107-8481, Japan

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: December 22, 2004; January 4, 2005;
December 23, 2004; December 23, 2004; December 23, 2004

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

4. Application number(s) or patent number(s):

☐ This document is being filed together with a new application

A. Patent Application No.(s)

10/954,086

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Customer Number

22850

Tel. (703) 413-3000
Fax. (703) 413-2220

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030
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9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Steven P. Weihrouch
Name of Person Signing

Joseph Scafetta Jr.
Signature
Joseph Scafetta, Jr.
Registration No. 26,803

JAN 24 2005

Date

Registration Number: 32,829

Total number of pages including this cover sheet: 7

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PATENT
REEL: 016180 FRAME: 0231

258538US6 YA

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) Lee Chen of 383 Colorado Drive, Cedar Creek, Texas 78612

Hiromitsu Kambara of 6108 Rickerhill Lane, Austin, Texas 78739

Caiz Hong Tian of Room 612, Furuichi 3-11-2, Joto Ward, Osaka City, Osaka 536-0001 Japan

Tetsuya Nishizuka of 10-1-6-1404, Hinomine 5-chome, Kita-ku, Kobe 651-1233 Japan

Toshihisa Nozawa of 7-6-1-505 Kariguchidai, Tarumi-ku, Kobe-city, Hyogo 655-0049 Japan

, respectively,

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: METHOD FOR TREATING A SUBSTRATE

(Application No. 10/954,086, filed September 30, 2004), and

WHEREAS, Tokyo Electron Limited

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

(hereinafter referred to as "ASSIGNEE") having a place of business at: 3-6, Akasaka 5-chome, Minato-ku Tokyo 107-8481 Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;


NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

12/04

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, 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.

Date: 12/22/04
(Signature of Inventor) Lee Chen

Date: _____

(Signature of Inventor) Hiromitsu Kambara

Date: _____

(Signature of Inventor) Caiz Hong Tian

Date: _____

(Signature of Inventor) Tetsuya Nishizuka

Date: _____

(Signature of Inventor) Toshihisa Nozawa

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
1940 DUKE STREET
ALEXANDRIA, VIRGINIA 22314

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Date: _____

 (Signature of Inventor) Lee Chen

Date: Jan. 04. 2005

 (Signature of Inventor) Hiromitsu Kambara

Date: _____

 (Signature of Inventor) Caiz Hong Tian

Date: _____

 (Signature of Inventor) Tetsuya Nishizuka

Date: _____

 (Signature of Inventor) Toshihisa Nozawa

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
 ATTORNEYS AT LAW
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ES-047

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Date: _____

(Signature of Inventor)

Lee Chen

Date: _____

(Signature of Inventor)

Hiromitsu Kambara

Date: Dec. 23, 2004

(Signature of Inventor)

Caizhong Tian
Caiz Hong TianDate: Dec. 23, 2004

(Signature of Inventor)

Tetsuya Nishizuka
Tetsuya NishizukaDate: Dec 23, 2004

(Signature of Inventor)

Toshihisa Nozawa
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