

10-26-1998



FORM PTO-1595

1-3-92

ET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

100858208

To the Honorable Commissioner of Patents and Trademarks:
Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Junichi ARAMI, Hironori YAGI &
Kazutsugu AOKI

Additional name(s) of conveying
parties attached? - ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date(s): July 24, 1996

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

Name: Tokyo Electron Limited

Internal Address: _____

Street Address: 3-6, Akasaka 5-Chome

City/State/Zip: Minato-Ku, Tokyo-To, JAPAN

Additional name(s) & address(es) attached?
☐ yes ☒ no

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

If this document is being filed together with a new application, the execution
date of the application is: (Date) _____

A. Patent Application No. (s)
08/689,035

B. Patent No. (s)

Additional numbers attached? ☐ Yes ☒ No

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

Michael A. Makuch
Beveridge, DeGrandi, Weilacher & Young, L.L.P.
1850 M Street, N.W.
Suite 800
Washington, DC 20036

Attorney Docket No. 76-52447

6. Total number of applications and patents
involved (number) 1

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

☒ Enclosed

☐ Charge to deposit account

☐ Other _____

8. Deposit account number: 02-4300

(Attached duplicate copy of this page if
paying by deposit account)

DO NOT USE THIS SPACE

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.

Michael A. Makuch
Name of Person Signing

[Signature]
Signature

October 20, 1998
Date

Reg. No. 32,263 Total no. of pages (including cover sheet, attachments & documents): 3

10/23/1998 TTOM11 00000076 08689935

01 FC:581

40.00 BP

PATENT
REEL: 9524 FRAME: 0585

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) _____
A SINGLE WAFER HEAT TREATMENT APPARATUS

The PATENT RIGHTS referred to in this agreement are:

- (check one) ☒ a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
- ☐ U.S. patent application Serial No. _____, filed _____.
- ☐ a U.S. patent application based on an International Application No. _____
_____ filed on (date) _____ under the Patent Cooperation Treaty.
- ☐ U.S. patent No. _____, issued _____.

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

- (check one) ☒ U.S. patent rights only.
- ☐ Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) TOKYO ELECTRON LIMITED

(Address) 3-6, Akasaka 5-Chome, Minato-Ku, Tokyo-To, Japan

The ASSIGNEE is:

- (check one) ☐ An Individual.
- ☐ A Partnership.
- ☒ A Corporation of Japan (specify state or country)
- ☐ (other) _____

The ASSIGNOR(S), in consideration of \$1.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, have and do hereby assign the following rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;
the entire right, title and interest in and to the PATENT RIGHTS;
the right to sue and recover for any past infringement; and,
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

ASSIGNEE: TOKYO ELECTRON LIMITEDINVENTION TITLE: A SINGLE WAFER HEAT TREATMENT APPARATUS

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Junichi ARAMI
Name of sole or first inventor

Junichi Arami
Signature

July 24, 1996
Date

Hironori YAGI
Name of second inventor, if any

Hironori Yagi
Signature

July 24, 1996
Date

Kazutsugu AOKI
Name of third inventor, if any

Kazutsugu Aoki
Signature

July 24, 1996
Date

Name of fourth inventor, if any

Signature

Date

Name of fifth inventor, if any

Signature

Date

Name of sixth inventor, if any

Signature

Date

Name of seventh inventor, if any

Signature

Date

Name of eighth inventor, if any

Signature

Date

Name of ninth inventor, if any

Signature

Date

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