



12-21-2005

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PATENTS ONLYFORM PTO-1596
1-31-92U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

DOCKET NO. 4006-272

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

1. Name of conveying party(ies):

1. Jiun-Rong PAI
2. Y.H. LO
3. H.C. WU

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

Name: TAIWAN SEMICONDUCTOR
MANUFACTURING CO., LTD.Street Address: No. 8, Li-Hsin Rd. 6,
Science-Based Industrial Park

City: Hsin-Chu

State: Taiwan

Zip: 300

Country: R.O.C.

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☒ Other Correction of Assignee's name

recorded at Reel 014645, Frame 0373

Execution Date: September 29, 2003

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

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

If the document is being filed together with a new application, the execution date of the application is:

A. Patent Application No(s).

10/694,355 filed October 28, 2003

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:

Name:

LOWE HAUPTMAN & BERNER, LLP

Internal Address:

Street Address: 1700 Diagonal Road, Suite 300

City: Alexandria State: VA Zip: 22314

6. Total number of applications and patents involved: one7. Total fee (37 CFR 3.41) \$40.00

- ☐ Enclosed
☐ Authorized to be charged to deposit account
☒ Credit Card payment form enclosed

8. Deposit account number: 07-1337

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9. Signature.

12/16/2005 MBEYENE2 00000247 10654355

01 FC:8021

40.00 OP

Benjamin J. Hauptman, 29,310

Name of Person, Registration No.

Signature

December 15, 2005

Date

Total number of pages including cover sheet, attachment, and document:

3

CMB No. 0851-0011 (exp. 4/94)

10-28-03

11-04-2003

FORM PTO-1596
1-31-92

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

10694355

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October 28, 2003

Date

Total number of pages including cover sheet, attachment, and document: 3

CMB No. 0851-0011 (exp. 4/94)

10/30/2003 SDENB081 00000014 10694355

02 FC:8021

40.00 00

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) APPARATUS FOR MONITORING LEAKAGE OF PROCESS COOLING WATER IN FURNACE

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 PCT International Application No. _____ filed on (date) _____ (U.S. patent application Serial No. _____, if known).

☐ 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) TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.

(Address) NO. 8, LI-HSIN RD. 6, SCIENCE-BASED INDUSTRIAL PARK, HSIN-CHU, TAIWAN 300, R.O.C.

The ASSIGNEE is:

(check one) ☐ An individual.

☐ A Partnership.

☒ A Corporation of TAIWAN, R.O.C. (specify state or country)

☐ (other) _____

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign(s) 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.

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO
ASSIGNEE: TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.
INVENTION TITLE: APPARATUS FOR MONITORING LEAKAGE OF
PROCESS COOLING WATER IN FURNACE

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 Trademark 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.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter 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 ASSIGNOR(S) authorize(s) the attorneys and agents who have the 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.

| | | |
|---|----------------------|------------------|
| <u>Jiun-Rong PAI</u> | <u>Jiun-Rong Pai</u> | <u>9/29/2003</u> |
| Name of sole or first inventor | Signature | Date |
| <u>Y.H. LO</u> | <u>Y.H. Lo</u> | <u>9/29/2003</u> |
| Name of second inventor, if any | Signature | Date |
| <u>H.C. WU</u> | <u>H.C. Wu</u> | <u>9/29/2003</u> |
| Name of third inventor, if any | Signature | 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 |