

04-26-1999



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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Attorney Docket No: WSMC113384

To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Names of conveying parties:

Shi-Yu Huang and Ding-Ming Kwai

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

2. Name and address of receiving party:

Name: Worldwide Semiconductor Manufacturing CorporationAddress: No. 9, Li-Hsin Road, Science-Based Industrial ParkCity: Hsinchu Country: Taiwan, R.O.C.Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution date: March 19, 1999

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

09/290,384

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ NoIf this document is being filed together with a new application, the execution date of the application is: March 19, 1999

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

Chun M. Ng, Esq.
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JOHNSON & KINDNESS^{PLLC}
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Seattle, WA 98101-2347
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6. Total number of applications and patents involved: 17. Total fee (37 C.F.R. 3.41):.....\$ 40.00Check No. 104739 in the amount of \$40.00 is enclosed.

8. The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16, 1.17 and 1.18 which may be required during the entire pendency of the application, or credit any overpayment, to Deposit Account No. 03-1740. This authorization also hereby includes a request for any extensions of time of the appropriate length required upon the filing of any reply during the entire prosecution of this application.

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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.

Chun M. Ng

Name of Attorney or Agent

Registration No. 36,878

Direct Dial (206) 224-0719

Signature

Date

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

OMB No. 0651-0011 (exp. 4/94)

ASSIGNMENT

WHEREAS, we, Shi-Yu Huang, residing at No. 7, Alley 41, Lane 80, Pei-Chen Rd., Tainan, Taiwan, R.O.C. and Ding-Ming Kwai, residing at No. 47, Lane 80, Chang-Shin St., Taipei, Taiwan, R.O.C., are the inventors named in an application for Letters Patent of the United States, entitled High speed built-in self test circuit for DRAMs executed by Shi-Yu Huang on March 19, 1999 and executed by Ding-Ming Kwai on March 19, 1999.

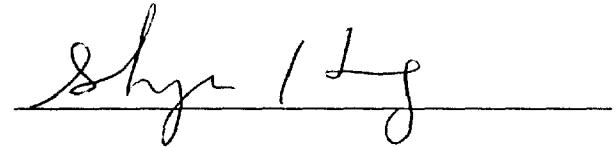
AND, WHEREAS, Worldwide Semiconductor Manufacturing Corporation, a Taiwan corporation, having a principal place of business at No. 25, Li-Hsin Road, Science-Based Industrial Park, Hsinchu, Taiwan, R.O.C. (hereinafter referred to as ASSIGNEE), is desirous of acquiring our entire right and title to and interest in our invention disclosed in said application;

NOW, THEREFORE, for sufficient, good and valuable consideration, the receipt of which is hereby acknowledged, we do hereby sell, assign and transfer unto ASSIGNEE our entire right and title to and interest in said application and said invention, including the right to apply for international patents and patents thereon in foreign countries in our name or in the name of ASSIGNEE, said invention and all applications and patents on said invention to be held and enjoyed by ASSIGNEE as entirely as the same would have been held and enjoyed by us had this sale, assignment and transfer not been made, and we do hereby further agree and promise to execute all instruments and render all such assistance as ASSIGNEE may request in order to make and prosecute any and all applications on said invention, to enforce any and all patents on said invention, and to confirm in ASSIGNEE legal title to said

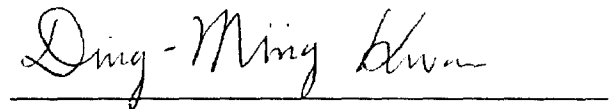
ASSIGNMENT CONTINUED

invention and all applications and patents on said invention, all without charge to ASSIGNEE but at no expense to us.

Executed at Hsinchu, Taiwan, this 19th day of March, 1999.

A handwritten signature in cursive script, appearing to read "Shi-Yu Huang", written over a horizontal line.

Shi-Yu Huang

A handwritten signature in cursive script, appearing to read "Ding-Ming Kwai", written over a horizontal line.

Ding-Ming Kwai