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Patent and Trademark Office  
Attorney Docket No.: SIPT121256

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

1. Submission Type

New 6-19-03

Resubmission (Non-Recordation)

Document ID# \_\_\_\_\_

Correction of PTO Error: Reel \_\_\_\_\_, Frame \_\_\_\_\_

2. Conveyance Type:

Assignment  Security Agreement

License  Change of Name

Merger  Other:

3. Names of conveying parties: Execution Dates:

Tsin-Yuan Chang June 11, 2003

Ming-Jun Hsiao June 11, 2003

Shu-Rong Lee June 11, 2003

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

4. Name and address of receiving party:

Name: National Tsing Hua University

Address: No. 101, Sec. 2, Kwangfu Rd., Hsinchu, Taiwan

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

5. Application number(s) and/or patent number(s):

A. Patent Application No(s). 10601709 B. Patent No(s).

Additional numbers attached?  Yes  No

If this document is being filed together with a new patent application, enter the date the patent application was signed by the first named executing inventor: June 11, 2003

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

Shoko I. Leek, Esq.  
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 206.682.8100

7. Total number of applications and/or patents involved: 1

8. Total fee (37 C.F.R. 3.41): .....\$40.00  
 Enclosed Check No. 148802 includes the recordation fee.

9.  The fee is authorized to be charged to Deposit Account No. 03-1740. (A duplicate copy of this page is enclosed.)

10. The Director is hereby authorized to charge any fees under 37 C.F.R. § 3.41 which may be required by this paper, or credit any overpayment, to Deposit Account No. 03-1740.

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11. 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.*

Shoko I. Leek  6/19/03

Name of Attorney or Agent Signature Date

Registration No. 43,746

Direct Dial 206.695.1780

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

SIL:DDP

SIPT121256151.DOC

16335 U.S. PTO  
10/601709  
06/19/03

**PATENT**  
**REEL: 014224 FRAME: 0133**

This assignment agreement is applicable to an invention entitled (Invention Title)  
INTEGRATED CIRCUIT DEVICE WITH A BUILT-IN DETECTING CIRCUIT FOR DETECTING  
MAXIMUM MEMORY ACCESS TIME OF AN EMBEDDED MEMORY

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  
 signature(s) appear(s) on page 2 of this Assignment and any Supplemental Sheets(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) NATIONAL TSING HUA UNIVERSITY  
 (Address) No.101 , Sec.2 , Kwangfu Rd., Hsinchu , Taiwan

The ASSIGNEE is:

- (check one)  An Individual.
- A Partnership.
- A Corporation of \_\_\_\_\_ (specify state or country)
- (other) A university of Taiwan

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:

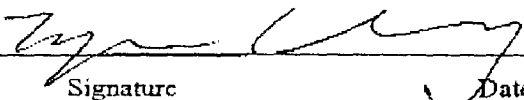
the full and exclusive right to the invention;  
 the entire right, title and interest in and to the PATENT RIGHTS;

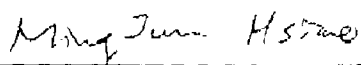
the right to sue and recover for any past infringement; and,  
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.


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.

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 proceeding, 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 ASSIGNOR(S) authorize(s) any attorney and agent who has 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.

Tsin-Yuan CHANG            Jun 11 '03  
Name of sole or first inventor      Signature      Date

Ming-Jun HSIAO            June 11. 03  
Name of second inventor, if any      Signature      Date

Shu-Rong LEE            June 11.03.  
Name of third inventor, if any      Signature      Date

\_\_\_\_\_  
Name of fourth inventor, if any      Signature      Date

\_\_\_\_\_  
Name of sole or first inventor      Signature      Date