

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT								
NATURE OF CONVEYANCE:	Corrective Assignment to correct the spelling of second inventor's name and address of assignee previously recorded on Reel 014817 Frame 0272. Assignor (s) hereby confirms the Assignment by inventors to Taiwan Semiconductor Manufacturing Company, Ltd..								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Ruei-chin Luo</td><td>11/26/2003</td></tr><tr><td>Samuel Chiang</td><td>11/26/2003</td></tr><tr><td>Chen-han Lien</td><td>11/26/2003</td></tr></tbody></table>		Name	Execution Date	Ruei-chin Luo	11/26/2003	Samuel Chiang	11/26/2003	Chen-han Lien	11/26/2003
Name	Execution Date								
Ruei-chin Luo	11/26/2003								
Samuel Chiang	11/26/2003								
Chen-han Lien	11/26/2003								
RECEIVING PARTY DATA									
Name:	Taiwan Semiconductor Manufacturing Company, Ltd.								
Street Address:	No. 8, Li-Hsin Road 6								
Internal Address:	Science-Based Industrial Park								
City:	Hsin-Chu								
State/Country:	TAIWAN								
Postal Code:	300-77								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10659848</td></tr></tbody></table>		Property Type	Number	Application Number:	10659848				
Property Type	Number								
Application Number:	10659848								
CORRESPONDENCE DATA									
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Total Attachments: 3									

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PATENT  
REEL: 014894 FRAME: 0746

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## ASSIGNMENT

WHEREAS, we,

- |     |               |   |
|-----|---------------|---|
| (1) | Ruei-chin Luo | of No 23, Ren-Chung Street<br>San-Chung City, Taiwan<br>Republic of China                                 |
| (2) | Samuel Chiang | of 2n Floor, #1, 34 <sup>th</sup> Lane<br>Da-chi Street<br>Taipei, Taiwan<br>Republic of China            |
| (3) | Chen-han Lien | of Chen-han Lien<br>No. 36-14, Dunung Tsuen<br>Liouying Shiang<br>Tainan, Taiwan 736<br>Republic of China |

have invented certain improvements in

### GENERAL PURPOSE MEMORY COMPILER SYSTEM AND ASSOCIATED METHODS

for which we have filed an application for Letters Patent of the United States of America on September 11, 2003 under United States Patent Application Serial Number 10/659,848; and

WHEREAS, Taiwan Semiconductor Manufacturing Company, Ltd., ("TSMC"), No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park Hsin-Chu, Taiwan 300-77, Republic of China is desirous of obtaining the entire right, title, and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and other good and valuable consideration, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said TSMC, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuing applications thereof, and all Letters Patent of the United States of America which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and all prior patents and patent applications from which a filing priority of the above-described patent application may be obtained, including the right to collect past damages; and we hereby authorize and request the Commissioner of Patents of the United States of America, and any official of any country or countries foreign to the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said TSMC, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said TSMC, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid the said TSMC, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

First Inventor Name: Ruei-chin Luo  
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Dated: ☒ Nov. 26, 2003

☒ Ruei-Chin Luo  
Inventor Signature

Dated: ☒ Nov. 26, 2003

☒ Ching-Wei Wu  
Witness Signature  
Witness Name: CHING-WEI WU

Second Inventor Name: Samuel Chiang  
Residence Address: 2n Floor, #1, 34<sup>th</sup> Lane  
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Dated: ☒ Nov. 26, 2003

☒ Samuel Chiang  
Inventor Signature

Dated: ☒ Nov. 26, 2003

☒ Hon-Chen Cheng  
Witness Signature  
Witness Name: \_\_\_\_\_

Patent / Docket No. 24061.78  
Customer No. 27683

Third Inventor Name: Chen-han Lien  
Residence Address: No. 336-14, Dunung Tsuen  
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Dated: ✓ Nov. 26. 2003

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Inventor Signature

Dated: ✓ Nov 26 2003

✓ 陳佩君 pei-Jiun Chen  
Witness Signature  
Witness Name: \_\_\_\_\_

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