

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ming-Rong Fu</td> <td>05/30/2006</td> </tr> <tr> <td>Hsin-Chen Tsai</td> <td>06/01/2006</td> </tr> </tbody> </table>		Name	Execution Date	Ming-Rong Fu	05/30/2006	Hsin-Chen Tsai	06/01/2006
Name	Execution Date						
Ming-Rong Fu	05/30/2006						
Hsin-Chen Tsai	06/01/2006						
RECEIVING PARTY DATA							
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.						
Street Address:	No. 8, Li-Hsin Rd. 6						
Internal Address:	Science-Based Industrial Park						
City:	Hsin-Chu						
State/Country:	TAIWAN						
Postal Code:	300-77, R.O.C.						
PROPERTY NUMBERS Total: 1							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11423984</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11423984		
Property Type	Number						
Application Number:	11423984						
CORRESPONDENCE DATA							
Fax Number:	(770)951-0933						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
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NAME OF SUBMITTER:	Daniel R. McClure						

Total Attachments: 2
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OP \$40.00 11423984

ASSIGNMENT

WHEREAS, Ming-Rong FU and Hsin-Chen TSAI hereafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: AUTOMATIC METHODS AND SYSTEMS FOR MANUFACTURING RECIPE FEEDBACK CONTROL

Filed: _____ Serial No. _____

Executed on: May 30, 2006 and June 1, 2006

WHEREAS, Taiwan Semiconductor Manufacturing Co., Ltd. of No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park, Hsin-Chu, Taiwan 300-77, R.O.C. hereinafter referred to as ASSIGNEE, is desirous of acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights, title and interest in and to the said invention and application and all future improvements thereon, and in and to any Letters Patent which may hereafter be granted on the same in the United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignor had this Assignment and transfer not been made, to the full end and term of any Letters Patent which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the date(s) indicated.

Ming-Rong Fu
Ming-Rong FU

2006 15/30
Date:

Hsin-Chen TSAI
Hsin-Chen TSAI

2006/8/1
Date: