

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kei-Wei Chen	03/08/2007
Mu-Han Cheng	03/08/2007
Jian-Sin Tsai	03/08/2007
Ying-Lang Wang	03/08/2007
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, R.O.C.
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	11686504
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ATTORNEY DOCKET NUMBER:	252011-4220
NAME OF SUBMITTER:	Daniel R. McClure

OP \$40.00 11686504

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PATENT
REEL: 019017 FRAME: 0152

Total Attachments: 2
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ASSIGNMENT

WHEREAS, Kei-Wei CHEN, Mu-Han CHENG, Jian-Sin TSAI and Ying-Lang WANG 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: APPARATUSES FOR ELECTROCHEMICAL DEPOSITION, CONDUCTIVE LAYER, AND FABRICATION METHODS THEREOF

Filed: _____ Serial No. _____

Executed on: March 8, 2007

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.

Kei-Wei CHEN
Kei-Wei CHEN

2007 / 3 / 8
Date:

Mu-Han CHENG
Mu-Han CHENG

2007 / 3 / 8
Date:

Jian-Sin TSAI
Jian-Sin TSAI

2007 / 3 / 8
Date:

Ying-Lang WANG
Ying-Lang WANG

2007 / 3 / 8
Date: