PATENT ASSIGNMENT

Electronic Version v1.1
Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT

NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Peng-Fu Hsu	09/18/2006
Fong-Yu Yen	09/18/2006
Yi-Shien Mor	09/18/2006
Huan-Just Lin	09/18/2006
Ying Jin	09/28/2006
Hun-Jan Tao	09/18/2006

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

Property Type	Number
Application Number:	11552704

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	252011-4100

OP $40.00 11552704

PATENT

NAME OF SUBMITTER:	Daniel R. McClure

Total Attachments: 3
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ASSIGNMENT

WHEREAS, <u>Peng-Fu HSU, Fong-Yu YEN, Yi-Shien MOR, Huan-Just LIN, Ying JIN and Hun-Jan TAO</u> 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: <u>**SEMICONDUCTOR DEVICES WITH DUAL-METAL GATE STRUCTURES AND FABRICATION**</u>
<u>**METHODS THEREOF**</u>

Filed: _____ Serial No. _____

Executed on: <u>September 18, 2006 and September 28, 2006</u>

WHEREAS, <u>Taiwan Semiconductor Manufacturing Co., Ltd.</u> of <u>No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park, Hsin-Chu, Taiwan 300-77, R.O.C.</u> 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 Assignees 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.

TSMC2006-0225/0503-A32096US

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

Peng-Fu Hsu
Peng-Fu HSU

_2006/9/18._
Date:

Fong-Yu Yen
Fong-Yu YEN

_2006/9/18_
Date:

Yi-Shien MOR
Yi-Shien MOR

_2006/9/18_
Date:

Huan-Just Lin
Huan-Just LIN

_2006 / 9 / 18_
Date:

Jin Ying
Ying JIN

_09/28/2006_
Date:

Hun-Jan Tao
Hun-Jan TAO

_2006 / 9 / 18_
Date:

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