## PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
Chien-Chao Huang	02/14/2005
Yee-Chia Yee	02/05/2005
Chao-Hsiung Wang	02/14/2005
Chun-Chieh Lin	02/14/2005
Chenming Hu	02/14/2005

### **RECEIVING PARTY DATA**

Name:	Taiwan Semiconductor Manufacturing Company, 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	

### PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10710012

## **CORRESPONDENCE DATA**

Fax Number: (214)200-0853

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Address Line 4: Dallas, TEXAS 75202

NAME OF SUBMITTER: David M. O'Dell

Total Attachments: 3

**PATENT REEL: 015685 FRAME: 0217** 

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> PATENT REEL: 015685 FRAME: 0218

PATENT / DOCKET NO.: 2001-1531/24061.439

CUSTOMER NO.: 42717

#### ASSIGNMENT

W	HE	RE.	AS,	I
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(1)	Chien-Chao Huang	of	6F-1, No. 32, Ti-Yu St. Hsin-Chu City 300, Taiwan, R.O.C.
(2)	Ycc-Chia Yeo	of	BIK 684C Jurong West St. 64. #05-131. No. 1, Line 120, Ling-ya District S 643684 Kaoshiung, Taiwan, R.O.C. Singapere.
(3)	Chao-Hsiung Wang	of	3F-1,. No. 178, Shanghei Rd. Hsin- Chu, Taiwan 300, R.O.C.
(4)	Chun-Chieh Lin	of	
(5)	Chenming Hu	of	60, Ming-Chung Rd Jobo Pebble Drive Yun-Aian Li, Lu-Kang Jon Abonto, CO, 94507 Changhua, Taiwan, R.O.G. USA

have invented certain improvements in

# IMPROVED COBALT SILICIDATION PROCESS FOR SUBSTRATES WITH A SILICON GERMANIUM LAYER

for which I have executed an application for Letters Patent of the United States of America, filed on June 11, 2004 and assigned application number 10/710,012;

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 said invention and 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, I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto TSMC, its successors, legal representatives, and assigns, the entire right, title, and interest in, to and under the invention, and 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 I hereby authorize and request the Commissioner of Patents of 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 TSMC, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

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

момы **РАТЕЛТ**02-834-ST REEL: 015685 FRAME: 0219

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AND I HEREBY further covenant and agree that I will communicate to TSMC, its successors, legal representatives and assigns, any facts known to me 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 TSMC, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

Inventor: Chien-Chao Huang	
Dated: Chen-Chao Hung	Inventor Signature
Inventor: Yee-Chia Yeo	
Dated:	Inventor Signature
Inventor: Chao-Hsiung Wang	
Dated: Claudy	Teb. 14, 2005 Inventor Signature
Inventor: Chun-Chieh Lin	
Dated: Chun dirth L.	Inventor Signature
Inventor: Chenming Hu	
Dated:	
THE RATE SINCE AND ADDRESS LAND ASSAULT AND ADDRESS ASSAULT.	Inventor Signature

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PATENT / DOCKET NO.: 2001-1531/24061.439 CUSTOMER NO.: 42717

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Inventor: Chicn-Chao Huang	
Dated:	Inventor Signature
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Inventor: Yee-Chia Yeo	
Dated: 54 Feb. 2005.	Yendringes.
	Inventor Signature
Inventor: Chao-Hsiung Wang	
Dated:	
	Inventor Signature
Inventor: Chun-Chieh Lin	
Dated:	
	Inventor Signature
Inventor: Chenming Hu	
Dared: 2/14/2005	light
	Inventor Signature

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TOTAL P.DS

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