PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Chia-Lin Chen	07/08/2004
Liang-Gi Yao	07/08/2004
Shih-Chang Chen	07/08/2004

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:	10870878	

CORRESPONDENCE DATA

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NAME OF SUBMITTER: David M. O'Dell

Total Attachments: 2

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PATENT REEL: 015283 FRAME: 0630

Docket No.: 2001.1258-CIP/24061.240

Customer No. 42717

ASSIGNMENT

WHEREAS, we,

(1)	Chia-Lin Chen	of	No. 8 Alley 33, Lane 152 Sec. 2, Jungshing Rd, Judung Jen Hsin-Chu, Taiwan 310, R.O.C.
(2)	Liang-Gi Yao	of	5F, No. 12, Lane 53 Shin-Jhung Street Hsin-Chu, Taiwan 300, R.O.C.
(3)	Shih-Chang Chen	of	5F, No. 970, Sec. 4 Chung-Hsing Rd., Chu-Tung Hsin-Chu, Taiwan 310, R.O.C.

have invented certain improvements in

A SEMICONDUCTOR DEVICE HAVING A RANDOM GRAINED POLYSILICON LAYER AND A METHOD FOR ITS MANUFACTURE

for which we have executed an application for Letters Patent of the United States of America, filed on June 17, 2004 and assigned application number 10/870,878; and

WHEREAS, we authorize the attorney of record to update this document to include Patent Office information as deemed necessary (i.e., filing date, serial number, etc.);

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, 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

PATENT

REEL: 015283 FRAME: 0631

Docket No.: 2001.1258-CIP/24061.240

Customer No. 42717

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.

Inventor Name: Residence Address:	Chia-Lin Chen NO.8 Aller 33, Lane 152, Sec. 2, Jung shing Rd., X5F, No. 111, Minshiang St. Hsin-Chu, Taiwan 300, R.O.C. Judung Jen, Hsinchu, Taiwan 310
Dated: 07/08	Inventor Signature
Inventor Name:	Liang-Gi Yao
Residence Address:	SF, No12, Lane 53, Shin-Thung Street, Hsin-Chu, Taiw
Dated: 07/08	A V
Inventor Name:	Shih-Chang Chen
Residence Address:	Shin-Chang Chen SF, No. 970, Sec. 4, Chung-Hsing Rd., Chu-Tu. Hsin-Chu, Taiwan, 310, R.O.C.
Dated: 040	208 Stul-Obany Chem Inventor Signature

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