

**PATENT ASSIGNMENT**

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Chen-Hua YU	01/11/2010
Ding-Yuan CHEN	01/11/2010
Chu-Yun FU	01/11/2010
Liang-Gi YAO	01/11/2010
Chen-Nan YEh	01/14/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.
<b>Street Address:</b>	No. 8, Li-Hsin Rd. 6
<b>Internal Address:</b>	Science-Based Industrial Park
<b>City:</b>	Hsin-Chu
<b>State/Country:</b>	TAIWAN
<b>Postal Code:</b>	300-77
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	11729009
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	24061.1342
<b>NAME OF SUBMITTER:</b>	David M. O'Dell

CH \$40.00 11729009

Total Attachments: 4

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Assignment

Docket No: 2006-0526CIP/24061.1342  
Customer No. 42717

**A S S I G N M E N T**

WHEREAS, we

- (1) Chen-Hua YU of Hsin-Chu, Taiwan
- (2) Ding-Yuan CHEN of Taichung, Taiwan
- (3) Chu-Yu FU of Hsinchu City, Taiwan
- (4) Liang-Gi YAO of Hsin-Chu , Taiwan
- (5) Chen-Nan YEH of His-Chih, Taipei Country, Taiwan

have invented certain improvements in

**POLYSILICON GATE FORMATION BY IN-SITU DOPING**

for which we filed a patent application for letters patent in the United States of America on March 28, 2007, as U.S. Patent Application Serial No. 11/729,009.

WHEREAS, **TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.**, (hereinafter **ASSIGNEE?**, of 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 good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **ASSIGNEE**, 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, and any official of any country or countries foreign to 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 **ASSIGNEE**, 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 **ASSIGNEE**, its successors, legal representatives and assigns, any facts known to us 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 the said **ASSIGNEE**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

Assignment

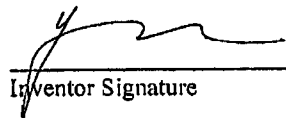
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Customer No. 42717

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First Inventor Name: Chen-Hua YU

Residence Address: No. 3, 38 Waterfront Road 2  
Hsin-Chu, Taiwan R.O.C.

Dated: 1/11/10

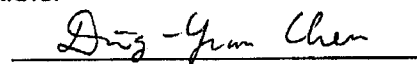
  
Inventor Signature

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Second Inventor Name: Ding-Yuan CHEN

Residence Address: No. 2, Alley 3, Lane 76, Shian Street  
Taichung, 407, Taiwan, R.O.C.

Dated: 1/11/2010


  
Inventor Signature

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Third Inventor Name: Chu-Yun FU

Residence Address: 7F., No. 28, Lane 476, Sec. 1  
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Dated: 1/11/2010

  
Inventor Signature

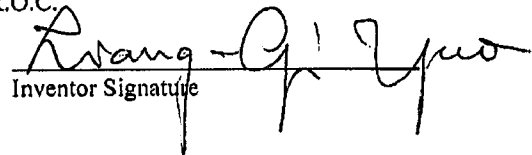
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Fourth Inventor Name: Liang-Gi YAO

Residence Address: 5F, No. 12, Lane 53, Shin Juang St.  
Hsin-chu, 300, Taiwan, R.O.C.

Dated: 1/11/2010

  
Inventor Signature

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Fifth Inventor Name: Chen-Nan YEH

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Dated: \_\_\_\_\_

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Inventor Signature

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Docket No: 2006-0526CIP/24061.1342  
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Fourth Inventor Name: Liang-Gi YAO

Residence Address: 5F, No. 12, Lane 53, Shin Juang St.  
Hsin-chu, 300, Taiwan, R.O.C.

Dated: \_\_\_\_\_

\_\_\_\_\_  
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Fifth Inventor Name: Chen-Nan YEH

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Dated: 1/14/2010

Chen-Nan Yeh  
Inventor Signature