

PATENT ASSIGNMENT

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SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yi-Li Hsiao	03/11/2009
Chen-Hua Yu	03/11/2009
Jean Wang	03/11/2009
Ming-che Ho	03/11/2009
Chien-Ling Hwang	03/11/2009
Jui-Pin Hung	03/16/2009

RECEIVING PARTY DATA

Name:	Taiwan Semiconductor Manufacturing Company, Ltd.
Street Address:	No. 8, Li-Hsin Road 6
City:	Hsin-Chu
State/Country:	TAIWAN
Postal Code:	300-77

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12435861

CORRESPONDENCE DATA

Fax Number: (214)200-0853

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 214-651-5000

Email: ipdocketing@haynesboone.com

Correspondent Name: HAYNES AND BOONE, LLP

Address Line 1: 2323 Victory Avenue

Address Line 2: Suite 700

Address Line 4: Dallas, TEXAS 75219

ATTORNEY DOCKET NUMBER:

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NAME OF SUBMITTER:

Rachel Ingley

Total Attachments: 3

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Docket No.: 2008-0311 / 24061.1027
Customer No.: 42717

ASSIGNMENT

WHEREAS, we,

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|-----|------------------|----|--|
| (1) | Yi-Li Hsiao | of | 5F, No. 3, Lane 142, Guandong Road
Hsinchu City 300, Taiwan, R.O.C. |
| (2) | Chen-Hua Yu | of | No. 3, 38 Waterfront Road 2
Hsin-Chu, Taiwan, R.O.C. |
| (3) | Jean Wang | of | 3F-4, University Road
Hsin Chu, Taiwan, R.O.C. |
| (5) | Ming-che Ho | of | No. 35, Lane 215, Humei Street, West Central District
Tainan City 700, Taiwan, R.O.C. |
| (4) | Chien Ling Hwang | of | 6F-1, No. 5, 271 Avenue, Wuling Road
Hsin Chu, Taiwan, R.O.C. |
| (6) | Jui-Pin Hung | of | 10F-2, 58, Chien-Chung Rd. 1
Hsin Chu, Taiwan R.O.C. |

have invented certain improvements in

A NOVEL WAFER'S AMBIANCE CONTROL

for which we have executed an application for Letters Patent of the United States of America,

 X of even date filed herewith; and
filed on 5-5-09 and assigned application number 12/435861; 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

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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 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 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: Yi-Li Hsiao

Residence Address: 5F, No. 3, Lane 142, Guandong Road,
Hsinchu City 300, Taiwan, R.O.C.


Dated: 3/11, 2009

Yi Li Hsiao
Inventor Signature

Inventor Name: Chen-Hua Yu

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

Dated: 3/11 / '09


Inventor Signature

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Inventor Name: Jean Wang
Residence Address: 3F-4, University Road
Hsin Chu, Taiwan, R.O.C.

Dated: 3/13/2009

Jean Wang
Inventor Signature

Inventor Name: Ming-che Ho
Residence Address: No. 35, Lane 215, Humei Street, West Central District
Tainan City 700, Taiwan, R.O.C.

Dated: 3/11/2009

Ming-che Ho
Inventor Signature

Inventor Name: Chien Ling Hwang
Residence Address: 6F-1, No. 5, 271 Avenue, Wuling Road
Hsin Chu, Taiwan, R.O.C.

Dated: 3/11/2009

Chien Ling Hwang
Inventor Signature

Inventor Name: Jui-Pin Hung
Residence Address: 10F-2, 58, Chien-Chung Rd. 1
Hsin Chu, Taiwan R.O.C.

Dated: 3/16/2009

Jui-pin Hung
Inventor Signature