

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ching-Yu Chang</td> <td>08/22/2011</td> </tr> </tbody> </table>		Name	Execution Date	Ching-Yu Chang	08/22/2011								
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CORRESPONDENCE DATA													
Fax Number:	(214)200-0853												
Phone:	214-651-5000												
Email:	ipdocketing@haynesboone.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
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:	24061.2188/2005-0545-C												
NAME OF SUBMITTER:	Rachel L. I. Davis												
Total Attachments: 1 source=2188Assignment#page1.tif													

OP \$40.00 13525796

ASSIGNMENT

WHEREAS, I, Ching-Yu CHANG of Yuansun Village, Yilang County, Taiwan, has invented certain improvements in

NOVEL TARC MATERIAL FOR IMMERSION WATERMARK REDUCTION

for which I have executed an application for Letters Patent of the United States of America, filed on July 7, 2011 and assigned application number 13/177,741; and

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, I 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 I 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 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.

AND I HEREBY further covenant and agree that I 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: Ching-Yu CHANG

Residence Address: No. 17, Hsinchen Road, Yuansun Village
Yilang County, Taiwan 264, R.O.C.

Dated: 7/22, 2011


Inventor Signature