502202244 01/22/2013

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Yu-Lun Liu	10/30/2012
Chia-Chu Liu	10/30/2012
Kuei-Shun Chen	10/30/2012
Chung-Ming Wang	10/30/2012
Chie-Chieh Lin	10/30/2012

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13666107

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 2012-0142/24061.2139

PATENT REEL: 029666 FRAME: 0680 \$40.00 136661

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NAME OF SUBMITTER:	David M. O'Dell	
Total Attachments: 3 source=2139Assignment#page1.tif source=2139Assignment#page2.tif source=2139Assignment#page3.tif		

PATENT REEL: 029666 FRAME: 0681 12/10/30 11:29:51

Docket No.: 2012-0142 / 24061.2139

Customer No.: 42717

ASSIGNMENT

WHEREAS,	we
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(1)	Yu-Lun Liu	of	No. 36, Hebin Street, Beidou Township Changhua County 521, Taiwan, R.O.C.
(2)	Chia-Chu Liu	of	8F, No. 177, Ba-der Road Shin-Chu City, Taiwan, R.O.C.
(3)	Kuei-Shun Chen	of	27 393 Ln, Min-Hu Road Hsin-Chu, Taiwan 300, R.O.C.
(4)	Chung-Ming Wang	of	No. 288, Minsheng N. Rd., West District Chiayi City 600, Taiwan, R.O.C.
(5)	Chie-Chieh Lin	of	No.69, Honghua St., Luzhu Township, Taoyuan County 338, Taiwan (R.O.C.)

have invented certain improvements in

METHOD FOR IMPOVING RESIST PATTERN PEELING

for which we have executed an application for Letters Patent of the United States of America, filed on November 1, 2012 , and assigned application no. 13/666,107 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 Road 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, 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, 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.

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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:

Yu-Lun Liu

Residence Address:

No. 36, Hebin Street, Beidou Township

Changhua County 521, Taiwan, R.O.C.

Dated: >0|> 1|0,30

Inventor Signature

Inventor Name:

Chia-Chu Liu

Residence Address:

8F, No. 177, Ba-der Road

Shin-Chu City, Taiwan, R.O.C.

Dated

2012, 1P. 3-

Inventor Signature

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Dated: 3612/(s/3 >

Inventor Signature

Inventor Name:

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Dated:_ 2012 /10/30

Chung - Ming Wang

Chre-chieh Kin

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Dated: 201

2012/10/30

Inventor Signature

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