

## 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>Chun-Ting KUO</td> <td>03/05/2012</td> </tr> <tr> <td>Kei-Wei CHEN</td> <td>03/05/2012</td> </tr> <tr> <td>Ying-Lang WANG</td> <td>03/05/2012</td> </tr> <tr> <td>Kuo-Hsiu WEI</td> <td>03/05/2012</td> </tr> </tbody> </table>		Name	Execution Date	Chun-Ting KUO	03/05/2012	Kei-Wei CHEN	03/05/2012	Ying-Lang WANG	03/05/2012	Kuo-Hsiu WEI	03/05/2012
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RECEIVING PARTY DATA											
Name:	TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.										
Street Address:	No. 8, Li-Hsin Rd. VI, Hsinchu Science Park										
City:	Hsinchu										
State/Country:	TAIWAN										
Postal Code:	300										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13408327</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13408327						
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Application Number:	13408327										
CORRESPONDENCE DATA											
Fax Number:	(703)518-5499										
Phone:	7036841111										
Email:	tsmc@ipfirm.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:	Lowe Hauptman Ham & Berner, LLP (TSMC)										
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NAME OF SUBMITTER:	Randy A. Noranbrock										
Total Attachments: 1 source=efiledassgn2012-05-21#page1.tif											

OP \$40.00 13408327

### ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- 1) Chun-Ting KUO
- 2) Kei-Wei CHEN
- 3) Ying-Lang WANG
- 4) Kuo-Hsiu WEI

who has made a certain new and useful invention, hereby sells, assigns and transfers unto

**TAIWAN SEMICONDUCTOR MANUFACTURING COMPANY, LTD.** having a place of business at **No. 8, Li-Hsin Rd. VI, Hsinchu Science Park, Hsinchu 300, Taiwan R.O.C.**

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

**WAFER EDGE TRIM BLADE WITH SLOTS**

- (a) for which an application for United States Letters Patent was filed on 2012-02-29, and identified by United States Patent Application No. 13/408,327; or
- (b) for which an application for United States Letters Patent was executed on \_\_\_\_\_,

and the undersigned hereby authorizes and requests the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefore and any and all extensions, divisions, reissues, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agrees that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agrees to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the date indicated aside my signature:

1) Chun-Ting Kuo  
Name: Chun-Ting KUO

2012. 3. 5  
Date:

2) Kei-Wei Chen  
Name: Kei-Wei CHEN

2012. 3. 5  
Date:

3) Ying-Lang Wang  
Name: Ying-Lang WANG

2012. 3. 5  
Date:

4) Kuo-Hsiu Wei  
Name: Kuo-Hsiu WEI

2012. 3. 5  
Date:

**PATENT**