

PATENT ASSIGNMENT COVER SHEET

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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>CHAO-HSUING CHEN</td> <td>01/29/2014</td> </tr> <tr> <td>LING-SUNG WANG</td> <td>01/29/2014</td> </tr> <tr> <td>CHI-YEN LIN</td> <td>01/29/2014</td> </tr> </tbody> </table>		Name	Execution Date	CHAO-HSUING CHEN	01/29/2014	LING-SUNG WANG	01/29/2014	CHI-YEN LIN	01/29/2014				
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.</td> </tr> <tr> <td>Street Address:</td> <td>NO. 8, LI-HSIN RD. 6</td> </tr> <tr> <td>Internal Address:</td> <td>HSIN-CHU SCIENCE PARK</td> </tr> <tr> <td>City:</td> <td>HSIN-CHU</td> </tr> <tr> <td>State/Country:</td> <td>TAIWAN</td> </tr> <tr> <td>Postal Code:</td> <td>300-77</td> </tr> </table>		Name:	TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.	Street Address:	NO. 8, LI-HSIN RD. 6	Internal Address:	HSIN-CHU SCIENCE PARK	City:	HSIN-CHU	State/Country:	TAIWAN	Postal Code:	300-77
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PROPERTY NUMBERS Total: 2													
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Application Number:	14182777												
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CORRESPONDENCE DATA													
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NAME OF SUBMITTER:	THOMAS G. ESCHWEILER												

PATENT

Signature:	/Thomas G. Eschweiler/
Date:	02/18/2014
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TSMC Docket No. TSMC2013-0219

U.S. Patent Appln. No.

Docket No. TSMCP275US

Filing Date

PATENT ASSIGNMENT

PARTIES TO THE ASSIGNMENT

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AGREEMENT

WHEREAS, ASSIGNOR(S) (listed above) are inventor(s) of an invention entitled

"V-SHAPED SIGE RECESS VOLUME TRIM FOR IMPROVED DEVICE PERFORMANCE

AND LAYOUT DEPENDENCE" for which:

a non-provisional application for United States Letters Patent:

☒ was executed on even date preparatory to filing (each inventor should sign this

Assignment on the same day as he/she signs the Declaration and Power of

Attorney); or

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U.S. Patent Appln. No.

Docket No. TSMCP275US

Filing Date

☐ was filed on _____ and accorded U.S. Serial No. _____; or

☐ I hereby authorize and request my attorney associated with Customer No. 107476, to insert on the designated lines below the filing date and application number of said application when known:

U.S. Serial No. _____

filed on _____

WHEREAS, ASSIGNEE (listed above), a corporation of the Republic of China is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefore in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR(S) hereby sell, assign and transfer unto ASSIGNEE its successors and assigns, the entire right, title and interest in and to said invention and improvements, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues, re-examinations and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNOR(S) had this assignment, transfer and sale not been made. ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue all

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letters patent on said invention to ASSIGNEE. ASSIGNOR(S) agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention, for litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefore.

2014. 1. 29

Date

Chao - Hsuing Chen

Name 1st Inventor Chao-Hsuing Chen

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Filing Date

2014. 1. 7
Date

Ling - Sung Wang
Name 2nd Inventor Ling-Sung Wang

U.S. Patent Appln. No.

Filing Date

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2014. 1. 29

Date

Chi - Yen Lin

Name 3rd Inventor Chi-Yen Lin