

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT																						
NATURE OF CONVEYANCE:	ASSIGNMENT																						
<b>CONVEYING PARTY DATA</b>																							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Chen-Chung Lai</td> <td>06/26/2013</td> </tr> <tr> <td>Kang-Min Kuo</td> <td>06/26/2013</td> </tr> <tr> <td>Yen-Ming Peng</td> <td>06/26/2013</td> </tr> <tr> <td>Gwo-Chyuan Kuoh</td> <td>06/26/2013</td> </tr> <tr> <td>Han-Wei Yang</td> <td>06/26/2013</td> </tr> <tr> <td>Yi-Ruei Lin</td> <td>06/26/2013</td> </tr> <tr> <td>Chin-Chia Chang</td> <td>06/26/2013</td> </tr> <tr> <td>Ying-Chieh Liao</td> <td>06/26/2013</td> </tr> <tr> <td>Che-Chia Hsu</td> <td>06/26/2013</td> </tr> <tr> <td>Bor-Zen Tien</td> <td>06/26/2013</td> </tr> </tbody> </table>		Name	Execution Date	Chen-Chung Lai	06/26/2013	Kang-Min Kuo	06/26/2013	Yen-Ming Peng	06/26/2013	Gwo-Chyuan Kuoh	06/26/2013	Han-Wei Yang	06/26/2013	Yi-Ruei Lin	06/26/2013	Chin-Chia Chang	06/26/2013	Ying-Chieh Liao	06/26/2013	Che-Chia Hsu	06/26/2013	Bor-Zen Tien	06/26/2013
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<b>RECEIVING PARTY DATA</b>																							
Name:	Taiwan Semiconductor Manufacturing Co., LTD																						
Street Address:	No.8, Li-Hsin Rd.6, Science-Based Industrial Park																						
City:	Hsinchu																						
State/Country:	TAIWAN																						
Postal Code:	300																						
<b>PROPERTY NUMBERS Total: 1</b>																							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13930161</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13930161																		
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Application Number:	13930161																						
<b>CORRESPONDENCE DATA</b>																							
Fax Number:	4804645692																						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																							
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OP \$40.00 13930161

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ATTORNEY DOCKET NUMBER: 28503-004

NAME OF SUBMITTER: Steven J. Laureanti

Signature: /Steven J. Laureanti/

Date: 09/24/2013

**Total Attachments: 3**

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### ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) \_\_\_\_\_  
SEMICONDUCTOR DEVICE WITH SELF-PROTECTING FUSE AND METHOD OF  
FABRICATING THE SAME

The PATENT RIGHTS referred to in this agreement are:

- (check one)  a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
- U.S. patent application Serial No. 13/930,161, filed on June 28, 2013
- a U.S. patent application based on PCT International Application No. \_\_\_\_\_ filed on (date) \_\_\_\_\_ (U.S. patent application Serial No. \_\_\_\_\_, if known).
- U.S. patent No. \_\_\_\_\_, issued \_\_\_\_\_.

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

- (check one)  U.S. patent rights only.
- Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.  
 (Address) NO.8, LI-HSIN RD.6, SCIENCE-BASED INDUSTRIAL PARK, HSINCHU,  
TAIWAN 300, R.O.C.

The ASSIGNEE is:

- (check one)  An individual.
- A Partnership.
- A Corporation of TAIWAN, R.O.C. (specify state or country)
- (other) \_\_\_\_\_

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns:

- the full and exclusive right to the invention;
- the entire right, title and interest in and to the PATENT RIGHTS;
- the right to sue and recover for any past infringement; and
- the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

NP-12874-US-B  
TSMC-2-13-0257

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO  
ASSIGNEE: TAIWAN SEMICONDUCTOR MANUFACTURING CO., LTD.  
INVENTION TITLE: SEMICONDUCTOR DEVICE WITH SELF-PROTECTING  
FUSE AND METHOD OF FABRICATING THE SAME

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and all Letter Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

<u>Chen-Chung LAI</u>	<u>Chen-Chung LAI</u>	<u>2013/6/26</u>
Name of sole or first inventor	Signature	Date
<u>Kang-Min KUO</u>	<u>Kang-Min Kuo</u>	<u>2013/6/26</u>
Name of second inventor, if any	Signature	Date
<u>Yen-Ming PENG</u>	<u>Yen-Ming Peng</u>	<u>2013/6/26</u>
Name of third inventor, if any	Signature	Date
<u>Gwo-Chyuan KUOH</u>	<u>Gwo-Chyuan Kuoh</u>	<u>2013/6/26</u>
Name of fourth inventor, if any	Signature	Date
<u>Han-Wei YANG</u>	<u>Han-Wei Yang</u>	<u>2013/6/26</u>
Name of fifth inventor, if any	Signature	Date
<u>Yi-Ruei LIN</u>	<u>Yi-Ruei LIN</u>	<u>2013/6/26</u>
Name of sixth inventor, if any	Signature	Date
<u>Chin-Chia CHANG</u>	<u>Chin-Chia Chang</u>	<u>2013/6/26</u>
Name of seventh inventor, if any	Signature	Date

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Ying-Chieh LIAO

Name of eighth inventor, if any

Ying Chieh Liao  
Signature

2013 6/26

Date

Che-Chia HSU

Name of ninth inventor, if any

Che-chia Hsu  
Signature

2013/6/26

Date

Bor-Zen TIEN

Name of tenth inventor, if any

Bor-Zen Tien  
Signature

2013/6/26

Date