

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Tao-Wen CHUNG</td> <td>03/08/2010</td> </tr> <tr> <td>Po-Yao KE</td> <td>04/16/2010</td> </tr> <tr> <td>Shine CHUNG</td> <td>03/12/2010</td> </tr> <tr> <td>Fu-Lung HSUEH</td> <td>03/16/2010</td> </tr> </tbody> </table>		Name	Execution Date	Tao-Wen CHUNG	03/08/2010	Po-Yao KE	04/16/2010	Shine CHUNG	03/12/2010	Fu-Lung HSUEH	03/16/2010
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CORRESPONDENCE DATA											
<p>Fax Number: (703)518-5499</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 7036841111</p> <p>Email: sramunto@ipfirm.com</p> <p>Correspondent Name: LOWE HAUPTMAN HAM & BERNER, LLP</p> <p>Address Line 1: 1700 DIAGONAL ROAD</p> <p>Address Line 2: SUITE 300</p> <p>Address Line 4: ALEXANDRIA, VIRGINIA 22314</p>											
ATTORNEY DOCKET NUMBER:	T5057-K002U										
NAME OF SUBMITTER:	Randy A. Noranbrock										
Total Attachments: 2											

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PATENT
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Docket No.: T5057-K002U

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) Tao-Wen CHUNG
- 2) Po-Yao KE
- 3) Shine CHUNG
- 4) Fu-Lung HSUEH

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 Taiwan 300, 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

ELECTRICAL ANTI-FUSE AND RELATED APPLICATIONS

(a) for which an application for United States Letters Patent was filed on 3-16-10, and identified by United States Patent Application No. 12/724,556; 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) Tao Wen Chung
Name: Tao-Wen CHUNG

3/8/2010
Date:

2) _____
Name: Po-Yao KE

Date:

3) Shine Chung
Name: Shine CHUNG

3/12/2010
Date:

4) Fu-Lung Hsueh
Name: Fu-Lung HSUEH

3/16/2010
Date:

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) Tao-Wen CHUNG | 4) Fu-Lung HSUEH |
| 2) Po-Yao KE | |
| 3) Shine CHUNG | |

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SIGNED on the date indicated aside my signature:

1) _____
Name: Tao-Wen CHUNG

Date:

2) Po-Yao KE
Name: Po-Yao KE

4/16/2010
Date:

3) _____
Name: Shine CHUNG

Date:

4) _____
Name: Fu-Lung HSUEH

Date: