

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Qing Liu</td> <td>05/09/2012</td> </tr> <tr> <td>Nicolas Loubet</td> <td>05/09/2012</td> </tr> <tr> <td>Prasanna Khare</td> <td>05/09/2012</td> </tr> </tbody> </table>		Name	Execution Date	Qing Liu	05/09/2012	Nicolas Loubet	05/09/2012	Prasanna Khare	05/09/2012				
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RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>STMICROELECTRONICS, INC.</td> </tr> <tr> <td>Street Address:</td> <td>750 Canyon Drive</td> </tr> <tr> <td>Internal Address:</td> <td>Suite 300</td> </tr> <tr> <td>City:</td> <td>Coppell</td> </tr> <tr> <td>State/Country:</td> <td>TEXAS</td> </tr> <tr> <td>Postal Code:</td> <td>75019</td> </tr> </table>		Name:	STMICROELECTRONICS, INC.	Street Address:	750 Canyon Drive	Internal Address:	Suite 300	City:	Coppell	State/Country:	TEXAS	Postal Code:	75019
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CORRESPONDENCE DATA													
Fax Number:	(845)892-6363												
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Email:	Donmich@us.ibm.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
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Address Line 2:	Suite 300												
Address Line 4:	GARDEN CITY, NEW YORK 11530												
ATTORNEY DOCKET NUMBER:	FIS920120020US1												
NAME OF SUBMITTER:	Yuanmin Cai												
Total Attachments: 2 source=FIS920120020US1_SIGNED_STMICROASSIGNMENT#page1.tif source=FIS920120020US1_SIGNED_STMICROASSIGNMENT#page2.tif													

CH \$40.00 13525642

**ASSIGNMENT**

**WHEREAS, QING LIU, NICOLAS LOUBET and PRASANNA KHARE** (hereinafter "ASSIGNORS"), having a mailing address of **750 Canyon Drive, Suite 300, Coppel, TX 75019**, am an inventor of an invention entitled "**DUAL SHALLOW TRENCH ISOLATION LINER FOR PREVENTING ELECTRICAL SHORTS**" as described and claimed in the specification for which an application for Letters Patent of the United States was filed on \_\_\_\_\_ as U.S. Application No. \_\_\_\_\_, this application claiming the benefit of U.S. Provisional Application no. \_\_\_\_\_, filed on \_\_\_\_\_; and

**WHEREAS, STMICROELECTRONICS, INC.**, a Delaware corporation, residing or having a principal place of business at **750 Canyon Drive, Suite 300, Coppel, TX 75019** (hereinafter referred to as Assignee), is desirous of acquiring Assignor's entire right, title and interest in and to the inventions and the Application for Letters Patent of the United States, and in and to any Letters Patent to be obtained therefore and thereon world wide;

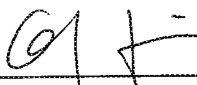
**NOW, THEREFORE**, for good and sufficient consideration, the receipt of which is acknowledged, Assignor has sold, assigned, transferred and set over, and does sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, Assignor's entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of the application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND Assignor requests the Commissioner of Patent and Trademarks to issue Letters Patent of the United States to Assignee, as Assignee of inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document: All practitioners at Customer Number \_\_\_\_\_.


Executed by Inventor 1 of 3

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Signature:  Date: 05/09/2012  
QING LIU

Executed by Inventor 2 of 3

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Signature:  Date: 05/09/2012  
NICOLAS LOUBET

Executed by Inventor 3 of 3

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Signature:  Date: 5/9/2012  
PRASANNA KHARE