

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>Ruilong XIE</td> <td>06/06/2012</td> </tr> </tbody> </table> | | Name | Execution Date | Ruilong XIE | 06/06/2012 |
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| Ruilong XIE | 06/06/2012 | | | | |
| RECEIVING PARTY DATA | | | | | |
| Name: | GLOBALFOUNDRIES Singapore Pte. Ltd. | | | | |
| Street Address: | 60 Woodlands Industrial Park D | | | | |
| Internal Address: | Street 2 | | | | |
| City: | Singapore | | | | |
| State/Country: | SINGAPORE | | | | |
| Postal Code: | 738406 | | | | |
| 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>13491857</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13491857 |
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| Application Number: | 13491857 | | | | |
| CORRESPONDENCE DATA | | | | | |
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| ATTORNEY DOCKET NUMBER: | P6308US00 | | | | |
| NAME OF SUBMITTER: | Anita Pellman Gross | | | | |
| Total Attachments: 2 source=CSG104_P6308US00_Assignment_GFSG#page1.tif source=CSG104_P6308US00_Assignment_GFSG#page2.tif | | | | | |

OP \$40.00 13491857

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, I (we) the undersigned, Ruilong XIE, hereby sell, assign, and transfer to GLOBALFOUNDRIES Singapore Pte. Ltd., a corporation of the Republic of Singapore, having a principal place of business at 60 Woodlands Industrial Park D, Street 2, Singapore 738406 ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all improvements that are disclosed in the application for the United States patent, entitled:

RECESSING AND CAPPING OF GATE STRUCTURES WITH VARYING METAL COMPOSITIONS

- which has been executed by the undersigned concurrently herewith,
 which was filed on _____ and assigned Serial No. _____

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

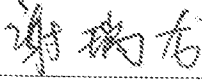
agree that said Assignee may apply for and receive a patent or patents for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all assignments and powers of attorney; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

The undersigned hereby grant(s) registered practitioners of the firm of Ditiavong Mori & Steiner, P.C. of 918 Prince Street, Alexandria, Virginia, 22314, the power to insert on this assignment any further identification, including the application number and filing date, which 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.

Sole Inventor: Please Sign and Date Below:

6 June, 2012
Date


Name: Rui long XIE