

## 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>Lynn T. Wang</td> <td>01/06/2012</td> </tr> <tr> <td>Vito Dai</td> <td>01/07/2012</td> </tr> <tr> <td>Luigi Capodiec</td> <td>01/06/2012</td> </tr> </tbody> </table>		Name	Execution Date	Lynn T. Wang	01/06/2012	Vito Dai	01/07/2012	Luigi Capodiec	01/06/2012
Name	Execution Date								
Lynn T. Wang	01/06/2012								
Vito Dai	01/07/2012								
Luigi Capodiec	01/06/2012								
RECEIVING PARTY DATA									
Name:	GLOBALFOUNDRIES Inc.								
Street Address:	Maples Corporate Services Limited PO Box 309								
Internal Address:	Ugland House								
City:	Grand Cayman								
State/Country:	CAYMAN ISLANDS								
Postal Code:	KY1-1104								
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>13349412</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13349412				
Property Type	Number								
Application Number:	13349412								
CORRESPONDENCE DATA									
Fax Number:	(480)385-5061								
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Correspondent Name:	INGRASSIA FISHER & LORENZ, P.C.								
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ATTORNEY DOCKET NUMBER:	089.0195 (CU083)								
NAME OF SUBMITTER:	Ryan T. Fortin								
Total Attachments: 2 source=20120113_Assignment_CU083#page1.tif source=20120113_Assignment_CU083#page2.tif									

OP \$40.00 13349412

**ASSIGNMENT**

**WHEREAS**, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") have invented:

**METHODS FOR PATTERN MATCHING IN A DOUBLE PATTERNING TECHNOLOGY-  
COMPLIANT PHYSICAL DESIGN FLOW**

for which application for Letters Patent of the United States:

- ☐ has been executed on even date herewith;  
☐ executed on \_\_\_\_\_;  
☒ was filed on \_\_\_\_\_ and assigned U.S. Application Serial No. 13/349,412 ;

**AND WHEREAS**, GLOBALFOUNDRIES Inc., a ☒ corporation; ☐ partnership; individual ☐ having a place of business at Maples Corporate Services Limited, PO Box 309, Ugland House, Grand Cayman KY1-1104, Cayman Islands (hereinafter "ASSIGNEE"), and successors, assigns, and legal representatives, is desirous of acquiring an interest therein;

**AND WHEREAS**, a "formal application," as referred to herein, shall mean any provisional, nonprovisional, continuation, continuation in part, continued prosecution, substitute, renewal, extension, divisional, reissue, reexamination, foreign, Patent Cooperation Treaty (PCT) or other patent application, inventor's certificate, or like document;

**NOW, THEREFORE**, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right to the aforesaid application, to the invention as described in the aforesaid application, and to any formal application which may be filed based in whole or in part on the aforesaid application, in the United States and all foreign countries, together with the right of priority under any international agreements to which the United States currently adheres and adheres to in the future, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for the sole use and benefit of ASSIGNEE, its successors, assigns and legal representatives,

**AND ASSIGNOR HEREBY AGREES** to transfer, upon request of ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, a like interest in and to any improvements and formal applications based thereon, growing out of or relating to the invention; and, without further remuneration, to provide all reasonable assistance and execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, to preserve and/or acquire ASSIGNEE's full protection and title in and to the invention hereby transferred and any improvements therein,

**ASSIGNOR AGREEING, FURTHERMORE**, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE for the filing and granting of formal applications based on the invention or improvements therein, and the perfecting of title thereto in ASSIGNEE.

**ASSIGNOR** hereby authorizes GLOBALFOUNDRIES Inc., its successors and assigns, its legal representatives, or anyone it may properly designate, to insert in this instrument the filing date and/or serial number of said application when ascertained.

**EXECUTED** as of the date(s) written below by ASSIGNOR:

Inventor's Signature: Lynn Wang Date: 1-6-12

Inventor's Printed Name: **Lynn T. Wang**

Inventor's Signature: Vito Dai Date: 1/7/2012

Inventor's Printed Name: **Vito Dai**

Inventor's Signature: Luigi Capodiceci Date: 1/6/12

Inventor's Printed Name: **Luigi Capodiceci**